

19980326.qrp v01_n041.qrs.980326

Date: Thu, 26 Mar 1998 19:03:11 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1041

QRP-L Digest 1041

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- 3) [6851] Re: Keyers, Bugs and stuff MORTALITY ISSUES - long
by "Bob Duckworth" <wb4mnf@atl.org>
- 4) [6852] Walking Stick Antenna ??
by KF4EIB <KF4EIB@aol.com>
- 5) [6853] Re: Need R.I. for WAS/QRP
by Bob <hb_elec@ids.net>
- 6) [6854] Re: Any 15m kits out there?
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 7) [6855] Re: 160M Vertical... etc.
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 8) [6856] REQUEST
by "Virgil J. Holobaugh" <vjholoba@softdisk.com>
- 9) [6857] Re: HW CPY?
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 10) [6858] No. 55965 (Bug Stuff)
by David Gauding <david.gauding@bbs.galilei.com>
- 11) [6859] contact cleaner
by ac5ez@webtv.net (Larry B)
- 12) [6860] Re: HW CPY?
by "George T. Baker" <w5yr@swbell.net>
- 13) [6861] AR QRP net
by af852@rgfn.epcc.edu (William R Colbert)
- 14) [6862] Re: Picnic Table Vertical
by peacemkr <peacemkr@wcc.net>
- 15) [6863] leg strap for the Whiterook
by RangerSF5 <RangerSF5@aol.com>
- 16) [6864] Re: contact cleaner
by Charles Kadesch <chas@digizen.net>
- 17) [6865] Favorite QSOs
by "Steve Galchutt" <n0tu@webaccess.net>
- 18) [6866] Re: expansion of ATU/Delta item
by Bruce Rattray <rattray@gpfn.sk.ca>
- 19) [6867] Re: HW CPY?

- by Kr0i2 <Kr0i2@aol.com>
- 20) [6868] Re: TEK 2225 O'scope Help Needed
by "S. Lee" <slee@u.washington.edu>
 - 21) [6869] Introduction-again
by Kevin Walker <KB9NUN@compuserve.com>
 - 22) [6870] #3 is alive
by adams@chuck.dallas.sgi.com (Chuck Adams)
 - 23) [6871] Re: Finally got my Call Sign
by "Frank A. West" <ke6vhm@earthlink.net>
 - 24) [6872] Chuck Adams Page?
by Jeff Grudin <grudin@pacific.vdbs.com>
 - 25) [6873] Ya really gotta think!
by Jeff Grudin <grudin@pacific.vdbs.com>
 - 26) [6874] Web Page
by adams@chuck.dallas.sgi.com (Chuck Adams)
 - 27) [6875] Web Page and English
by adams@chuck.dallas.sgi.com (Chuck Adams)
 - 28) [6876] Re: \$1 Whiterook Paddle "upgrade"
by wpc@west.net (John L. Roblin / Whiterook Products Co.)
 - 29) [6877] Re: #3 is alive
by radioham@erols.com
 - 30) [6878] elmer101: TR switching and low pass filter
by Roger Braker <msebrakr@telepath.com>
 - 31) [6879] QRP ARCI numbers for clubs
by mike czuhajewski <wa8mcq@abs.net>
 - 32) [6880] Re: #3 is alive
by adams@chuck.dallas.sgi.com (Chuck Adams)
 - 33) [6881] Re: Need R.I. for WAS/QRP
by Phil Rutledge <rut@mcrut.mv.com>
 - 34) [6882] Internet Traffic/Speed
by Robert Bayha <rbayha@ix.netcom.com>
 - 35) [6883] Re: Coax Connector Question
by Monte Stark <ku7y@dri.edu>
 - 36) [6884] Query re Loops
by Andris Neimers <VitalVoice@compuserve.com>
 - 37) [6885] FS: Ten Tec Argonaut 505 QRP CW/SSB Transceiver & Pwr Sup
by "Dick Schneider" <rschneid@ix.netcom.com>
 - 38) [6886] FS: HW9 CW QRP Transceiver w/ps
by "Dick Schneider" <rschneid@ix.netcom.com>
 - 39) [6887] web page for adjusting keys
by "Marshall Emm" <mgemm@mtechnologies.com>
 - 40) [6888] Re: elmer101: TR switching and low pass filter
by Paul Harden <pharden@aoc.nrao.edu>
 - 41) [6889] Re: TEK 2225 O'scope Help Needed
by Leon Heller <leon@lfheller.demon.co.uk>
 - 42) [6890] Re: contact cleaner
by Leon Heller <leon@lfheller.demon.co.uk>
 - 43) [6891] "time-out" for the RS freq counter... ?

by Conrad <radman@best.com>
44) [6892] RE: TEK 2225 O'scope Help Needed
by Conrad <radman@best.com>
45) [6893] Re: Solid Copy? HW? & the ol' 3968 Short Hand of the Disoriented
by nilsbull@juno.com (Nils R Young)
46) [6894] Re: TEK 2225 O'scope Help Needed
by wa8rxi@juno.com (Rick Arzadon)
47) [6895] Re: expansion of ATU/Delta item
by wa8rxi@juno.com (Rick Arzadon)
48) [6896] Portable Antennas
by w2bj@juno.com (Barry J Minsky)
49) [6897] Re: TEK 2225 O'scope Help Needed
by Michael Maiorana <mikemo@ibm.net>
50) [6898] AR QRP 40M net - I smell tuna!
by Jim <kj5tf@mctc.com>
51) [6899] 15 meters was mucho caliente !!
by wa5whn@juno.com
52) [6900] Re: I smell tuna!
by John Evans - N0HJ <jaevans@codenet.net>
53) [6901] FS:TenTec ARGO 556
by Ronald_A_Pfeiffer@res.raytheon.com
54) [6902] SPamEAKER Enclosure
by launerb@crl.com (William H. Launer)
55) [6903] kl7jaf, where art thou in cyberspace?
by "Michael Fletcher" <kl7ixi@mailcity.com>
56) [6904] cascading filters on front-endss
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
57) [6905] Re: RI and other alleged NE states
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
58) [6906] KD7BFF
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
59) [6907] Happy Dance with QRP/WAS
by Joseph Trombino jr <joebarb@wilmington.net>
60) [6908] Re: SASA
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
61) [6909] WANTED: SASA
by LYN <designserv@ipass.net>
62) [6910] FT-243 XTAL Socket.
by "Vincent Ferme" <vferme@sprint.ca>
63) [6911] Elmer101
by Bruce Rattray <rattray@gpfn.sk.ca>
64) [6912] Re: WANTED: SASA
by Bruce Rattray <rattray@gpfn.sk.ca>
65) [6913] batteries and solar panels
by "Joseph street 1635" <joseph.street@comdev.ca>
66) [6914] Fluke 85RF Probe.
by "Vincent Ferme" <vferme@sprint.ca>
67) [6915] Alinco DXT

by Frank G3YCC <g3ycc@g3ycc.prestel.co.uk>
68) [6916] Help messages!
by Frank G3YCC <g3ycc@g3ycc.prestel.co.uk>
69) [6917] DXpedition to Rhode Island
by joel malman <malman@world.std.com>
70) [6918] CQ N1PWU
by Ken Freedman <n1qqv@cshore.com>
71) [6919] Fw: FT-243 XTAL Socket.
by "Vincent Ferme" <vferme@sprint.ca>
72) [6920] Re: Alinco DXT
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
73) [6921] Portable operation/Andes
by aa5yx@juno.com (John F. Harper)
74) [6922] Pot and turns counter
by tom whalen <whalen@swcp.com>
75) [6923] Re: batteries and solar panels
by LYN <designserv@ipass.net>
76) [6924] Observations: HW CPY?
by KC5TJA <kc5tja@topaz.axisinternet.com>
77) [6925] Balcony Antennas
by Ed Loranger <we6w@qsl.net>
78) [6926] Re: Portable operation/Andes
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
79) [6927] Re: RI and other alleged NE states
by Zack Lau <zlau@arrl.org>
80) [6928] Bay Area QRP Pizza Dinner for Gary Diana
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
81) [6929] Need RI?
by Bill Acito 26-Mar-1998 1643 <acito@asdg.ENABLE.dec.com>
82) [6930] Re: Bay Area QRP Pizza Dinner for Gary Diana
by "Michael A. Gipe" <mgipe@reliablemeters.com>
83) [6931] Elmer101 - Ghost Script
by Brad Mugleston <bmug@gwl.com>
84) [6932] Re: Bay Area QRP Pizza Dinner for Gary Diana
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
85) [6933] Re: Bay Area QRP Pizza Dinner for Gary Diana
by "Michael A. Gipe" <mgipe@reliablemeters.com>
86) [6934] Re: Portable operation/Andes
by "Ray Lowe" <wd5dhk@hotmail.com>
87) [6935] Re: Need RI?
by Joe Gervais <vole@primenet.com>

Date: Wed, 25 Mar 1998 19:34:51 -0500
From: Paul Stroud <aa4xx@ipass.net>
To: klqrp <klqrp@waterw.com>
Cc: QRP-L <QRP-L@Lehigh.EDU>

Subject: [6849] Core Banks Expedition Mar 27-29
Message-ID: <3519A2AB.6C03786F@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

The Knightlites Core Banks Expedition Team hopes that you will be listening for WQ4RP/NA67 next weekend, March 27-29. Our ferry will be landing us on Core Banks around noon local time (1700Z) Friday. Core Banks is located about 16 miles north of Cape Lookout, North Carolina.

By Friday evening, four stations will be operational. The first station on the air will be WB4OFT on 30M. Most stations will be operating CW exclusively, but we will be maintaining an occasional presence on 14.260, the IOTA (Islands on the Air) SSB frequency. We will be winding the operation down Sunday morning around 10AM (1500Z) in order to catch the noon ferry.

Our QSL manager for this operation is AB4PP. You may QSL directly or via the bureau. Please enclose an SASE with your QSL. J.P. has designed some beautiful cards for this trip with a picture of the Cape Lookout lighthouse on the front.

The Core Banks team consists of the following hams:

AE4IC	Bob Kellogg	Greensboro,	NC
WA4NID	Dave Johnson	Durham,	NC
WF4I	Derek Brown	Greensboro,	NC
W3RDF	Don Shipman	N. Myrtle Beach,	SC
AB4PP	John Paul Keon	Raleigh,	NC
WB4OFT	John McKee	Advance,	NC
WJ4P	Randy Hargenrader	Summerville,	SC
N1SB	Steve Baranowski	Raleigh,	NC
W4WDN	Lyn Williams	Willow Springs,	NC
AA4XX	Paul Stroud	Raleigh,	NC

We will be operating on or near the frequencies listed below:

160M	1.830	MHz	41' tall vertical
80M	3.526, 3.560, 3.686.4	MHz	(same antenna as above)
40M	7.005, 7.040	MHz	2 el phased vertical array
30M	10.106	MHz	homebrew vertical
20M	14.026, 14.060, 14.260	MHz	3 el yagi @ 30'
15M	21.050	MHz	same as above + vertical

10M 28.060 MHz same as above + vertical

In addition to the HF stations listed above, we will also be running a number of beacons. Some changes have been made to the previous beacon frequency schedule in order to minimize the chance of local QRM adjacent to the QRP calling frequencies. W3RDF has provided the following information on the beacons:

BEACON SETUP

Beacon transmitters will be operating from Core Banks Island, North Carolina from 19:00Z, March 27, 1998 until 15:00Z, March 29, 1998. All beacon transmitters will operate at power levels less than one (1) watt and in most cases less than 500 mW. There will be three classes of beacons: 1) Known Frequency, 2) Haystack, 3) Wild Card. Operating times and frequencies can be found in the beacon schedule listed below.

Haystack Beacons are to be found somewhere within a specified frequency range given in the beacon schedule. Haystack beacons will be operated on the 80, 40, 30, and 20 meter bands. All Haystack beacons will be using ground based vertical antennas at the edge of the Atlantic Ocean. These beacons will use the call WQ4RP/qrpp and will have the word "ground" embedded somewhere within the beacon message.

Known Frequency Beacons are to be found within (+/- 1 kHz) of the frequency given in the beacon schedule. Known frequency beacons will be operated in the 40, 30, 20, 15 and 10 meter bands. Most Known Frequency Beacons will be operated from kite based antennas several hundred feet above the ground. These beacons will be identified by the call WQ4RP/qrpp and will have the word "kite" embedded somewhere within the beacon message.

Wildcard Beacons will be hidden somewhere within the cw portions of the 80, 40 and 30 meter amateur bands. Operating times and frequencies of these beacons will be kept secret and won't appear in the beacon schedule. They will be identified with the call W3RDF/qrp. There will be only a few hours of wildcard beacon operation during this expedition.

All beacons will be operated from battery power. Ground based beacons will be operated directly from solar panels (during daylight hours) or from solar charged batteries.

BEACON SCHEDULE

Date: 27 March, 1998

1900Z - 2400Z Frequency 7029 kHz, ground

1900Z - 2400Z Frequency 10124 kHz, ground
2100Z - 2300Z Frequency 14049 kHz, kite

Date: 28 March, 1998

0000Z - 0300Z Haystack 7000 kHz to 7040 kHz, ground
0000Z - 0200Z Frequency 10118 kHz, kite
0300Z - 1200Z Haystack 3501 kHz to 3600 kHz, ground
0300Z - 1200Z Haystack 10100 kHz to 10150 kHz, ground
1300Z - 2100Z Haystack 7100 kHz to 7130 kHz, ground
1300Z - 2100Z Haystack 10100 kHz to 10130 kHz, ground
1330Z - 1630Z Frequency 21063 kHz, kite
1330Z - 1630Z Frequency 7030 kHz, kite
1730Z - 2100Z Frequency 28023 kHz, kite
1730Z - 2100Z Frequency 14049 kHz, kite
2130Z - 2400Z Frequency 7112 kHz, ground
2200Z - 2400Z Frequency 21062 kHz, kite
2200Z - 2400Z Frequency 10119 kHz, kite

Date: 29 March, 1998

0000Z - 0200Z Frequency 21062 kHz, kite
0000Z - 0200Z Frequency 10119 kHz, kite
0000Z - 1200Z Haystack 7000 kHz to 7030 kHz, ground
0000Z - 0400Z Haystack 14045 kHz to 14065 kHz, ground
0400Z - 1200Z Haystack 3501 kHz to 3750 kHz, ground
1300Z - 1500Z Frequency 28023 kHz, kite

QSL INSTRUCTIONS FOR BEACONS

We are asking all stations to submit beacon reception reports either directly to AA4XX (Paul Stroud, 1318 Alderman Circle, Raleigh, NC 27603) or via the internet to AA4XX@amsat.org. Please provide the following information:

Date:
Time: (in UTC)
Frequency:
Beacon message:
Beacon RST:
Your Receiver:
Your Antenna:
Your Comments:

Due to the substantial number of beacons that will be running throughout the weekend, we will not be issuing QSL cards for the individual beacons; rather, our confirmation will be in the form of a certificate.

Certificates will be available for finding, copying and QSL'ing our beacons. Special recognition will be given for finding 5 of our beacons and Honorable recognition will be given to those finding more than 5. The Beacon Search Master title will be awarded to those finding more than 5 of our beacons in addition to finding at least one wildcard beacon. QSL instructions can be found within the beacon message.

CERTIFICATE INSTRUCTIONS

Those stations who would like to receive this unique Core Banks Beacon Certificate are requested to send \$2.00 (\$3.00 for DX stations) directly to AA4XX at the mailing address listed above under "QSL Instructions". These funds will enable us to cover the costs of printing and mailing the certificates. Be sure to include the following information:

Name: (As you want it to appear on your certificate)
Street:
City:
State:
Zip Code:
Your Callsign:

INCLUDE THE FOLLOWING INFO FOR EACH BEACON COPIED:

Date:
Time: (in UTC)
Frequency:
Beacon message:
Beacon RST:
Your Receiver:
Your Antenna:
Your Comments:

Complete info on the expedition can be found at the Core Banks website at the following URL: <http://www.ipass.net/~aa4xx/core.htm>

We're looking forward to working you from Core Banks this weekend!
72 from the Core Banks Team

Date: Wed, 25 Mar 1998 19:28:10 -0500
From: Bob <hb_elec@ids.net>
To: qrp-1@Lehigh.EDU
Subject: [6850] Re: 44-Magnum
Message-ID: <3.0.1.32.19980325192810.006acb7c@mail.ids.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 10:05 AM 3/23/98 -0700, you wrote:

>OK, I was able to read my first QRP-L digest in over 2 months over the weekend and boy it looks like I've missed out on a lot of stuff.

>

>What is the 44-Magnum (big brother to the 38-Special I suppose). Does it have a web page yet?

>

>de KB0ROL, Brad

>

>Waiting (not so patiently) for the Elmer101 class to start.

>

Brad, and all:

In the not to distant future I should have some 44 Magnum stuff on my web site, (as listed below).

I guess you could call the 44-Magnum the big brother to the 38-Special. It has lots of improvements. Stay tuned for details.

Bob

Bob N1PWU - HB Electronics
<http://users.ids.net/~hb_elec>

Date: Wed, 25 Mar 1998 20:27:09 -0000

From: "Bob Duckworth" <wb4mnf@atl.org>

To: <nilsbull@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [6851] Re: Keyers, Bugs and stuff MORTALITY ISSUES - long

Message-ID: <199803260012.TAA01823@atl.org>

The image of a bunch of estate vultures becoming apoplectic over my debris is rather pleasing. If only I could be assured the pleasure of watching them slit each others throats over a bunch 'O' geegaws.

Maybe the 'estate' should be salted with a few gems like, N0???

borrowed SX88 where N0??? is the guy who always seems to be zero beat the DX you're trying to work, or W4?? has my KW1 and 75A4. Sweet revenge :-)

-bob

wb4mnf

well I do have a turbine and an old ISI electron microscope :-)

Date: Wed, 25 Mar 1998 19:40:42 EST
From: KF4EIB <KF4EIB@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [6852] Walking Stick Antenna ??
Message-ID: <9b0f5979.3519a40c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

I caught part of a 2 meter QSO today about a 40 meter Walking Stick Antenna that worked great. Any info on this would be appreciated. Sounds like it could be a good qrp homebrew project.

Thanks in advance

72,
Gordon kf4eib

Date: Wed, 25 Mar 1998 19:45:16 -0500
From: Bob <hb_elec@ids.net>
To: qrp-1@Lehigh.EDU
Subject: [6853] Re: Need R.I. for WAS/QRP
Message-ID: <3.0.1.32.19980325194516.006d34f8@mail.ids.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:22 PM 3/24/98 -0700, you wrote:

>
>Ken (N1QQV) wrote:
>>
>> OK guys, I'm in Connecticut, about a forty minute drive from the Rhode
>> Island border.
>>
>> What am I bid....
>
>All the pork rinds you can eat, and a six-pack of
>Jolt Cola ("All the sugar and twice the caffeine!").
>

>:-)
>
>Cheers de AB7TT (Who only needs QRP RI for 2xQRP WAS),

Guys,

You have it all wrong. The going commodity is "Quahogs" (thats clams to non Rhode Islanders)

Bob - N1PWU
East Greenwich, RI

Mostly 30 and 40 Mtrs. :-)

Bob N1PWU - HB Electronics
<http://users.ids.net/~hb_elec>

Date: Thu, 26 Mar 1998 00:55:18 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: rice4@greenville.infi.net, qrp-1@Lehigh.EDU
Subject: [6854] Re: Any 15m kits out there?
Message-ID: <19980326005507.AAC6191@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Definitely go for the GM-15. It's a REAL RADIO. 72 =S=

.....
At 10:20 PM 3/24/98 -0800, you wrote:
>> 15 meters was wide open today ...
>
>Anyone know of a 15m monoband qrp kit on the market? Will also consider
>previously-owned rigs.
>
>OHR did have a 15m version of the 100, but all have been sold.
>
>First 12 years of my ham career was spent using the Argonaut 509 and 15m
>CW was always exciting! Had a great ragchew with VK5NRE late one nite
>from SC. (my late nite -- his lunch hour!)
>
>Itching to get back to 15!

>
>72
>
>Maurice KA4NIV
>QRP-L#1158 ARS#179
>
>
>
Seab Lyon, AA1MY, Bethel, CT, USA
FN-31-HJ; ARRL; QCWA; ACRI#9253;
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
<http://www.danbury.org/org/cara/>

Date: Thu, 26 Mar 1998 00:55:14 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: wa5uzb@juno.com, qrp-l@Lehigh.EDU
Subject: [6855] Re: 160M Vertical... etc.
Message-ID: <19980326005507.AAB6191@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If you really want to scare yourself... try one of the loops described
in the ARRL ANT. HBK. -and forget all about the sky-stab. 73 =s=

.....
At 09:23 PM 3/24/98 -0800, you wrote:

>Please reply to Alan at wa5uzb@juno.com and not to sender.

>
>Got a question ---- have you ever seen a design for a shortened
>(really short) vertical for 160 meters? I have a design that takes about
>40 feet of antenna plus the base loading, but I've tried to get something
>that was about 30 feet with perhaps some active guy wires (aka radials
>acting as a top hat) for the back yard. Since the trees are scarce, I've
>been looking around. If you have something, let me know please.

>
> 73,
>
> alan, wa5uzb

>

>You don't need to buy Internet access to use free Internet e-mail.
>Get completely free e-mail from Juno at <http://www.juno.com>
>Or call Juno at (800) 654-JUNO [654-5866]

>

>

>

Seab Lyon, AA1MY, Bethel, CT, USA
FN-31-HJ; ARRL; QCWA; ACRI#9253;
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
<http://www.danbury.org/org/cara/>

Date: Wed, 25 Mar 1998 19:20:50 -0800
From: "Virgil J. Holobaugh" <vjholoba@softdisk.com>
To: qrp-l@Lehigh.EDU
Subject: [6856] REQUEST
Message-ID: <3519C992.54FB@softdisk.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Please disconnect me. I cannot handle so much mail. If this is not done
I will be forced to change m y e-mail address.

REQUEST

Please disconnect me I cannot handle so much e-mail, just don't have the
time.

virgil W5LMS

Date: Wed, 25 Mar 1998 17:33:52 -0800 (PST)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@Lehigh.EDU
Subject: [6857] Re: HW CPY?
Message-ID: <Pine.LNX.3.96.980325150514.26688A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

PLEASE TAKE THE FOLLOWING TEXT AS THE PERSONAL OPINION OF THE AUTHOR. IT
IS NOT MEANT AS A FLAME MESSAGE. If you feel the style of textual
representation in this message is questionable, please leave me private
e-mail. DO NOT put them on the mailing list. The goal was to write
this message in a magazine-column-like format, since I find that
easiest to read. Hope I didn't take it too far. Thank you. And now, on
with the show. :)

I've seen some OMs here say things like "HW CPY?" means things like
"How are you?" and other things which, to me, makes absolutely no sense

what-so-ever, in the context of morse code and ham radio.

When viewed in the context of ham radio, "HW CPY?" means "How do you copy?". Taken literally, you'd likely answer, "With a pencil and paper," or, "With a computer." But when viewed in the ham radio sense of "copying" CW, it means the following: "Tell me if you can understand my code."

There are many reasons for not being able to copy your code. In my case, I have complete lack of skill -- I've done HF CW only twice in my life, and passed only the 5wpm exams more than two years ago. Since I still don't have an HF rig, my skills are probably deteriorating exponentially with each passing day. Other reasons, however, could include radio interference of some kind, or the other party is transmitting too fast.

I believe it was George Baker (on this list) who wrote that HW CPY? meant, "Get ready -- here she comes!", and went on to write "No mysteries." My apologies, but to me, this would be a COMPLETE mystery to me. :) I never, in my life, would think HW CPY? would indicate a desire to transmit information; instead, I think of it as a REQUEST for information (specifically, the recipient's ability to copy recently sent code).

I suppose I'm taking too literal an interpretation on the subject matter. To me, HW CPY? would be a handshake signal, not a data packet. I apologize once again if this message seems flamatory in nature -- I do not intend it to be so. But I just wanted to make my views on the matter unambiguously clear.

Thanks for taking the time to listen to me while I was on the soap-box. And now, for something completely different... :-)

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13         |      Samuel A. Falvo II
      QRP-L #1447  |      Chief Architect and Project Founder
```

Date: Wed, 25 Mar 1998 19:42:50 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@Lehigh.EDU
Subject: [6858] No. 55965 (Bug Stuff)
Message-ID: <1.5.4.32.19980326014250.0085ce80@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

The recent flurry of messages on bugs prompts my posting. This little piece will be included in the next issue of the St. Louis QRP Society's "Peanut Whistle". In it's own way this is also a farewell to a member and friend who we recently lost after a long illness.

No. 55965

I recently bought a Vibroplex #4 Blue Racer from the late K0EXB's shack. A couple of years ago I saw it sitting alone on a shelf in his basement. Phil Hoffman said the %&*# \$ dash side had a tendency to bind and go key-down for no reason at all. Even though the bug was quirky and looked very tired he liked the old warhorse and no it wasn't for sale. A related conversation about the previous owner was interrupted and we never finished. In any case, I later asked to be remembered if he ever decided to sell not thinking the circumstances surrounding my acquisition would be so unfortunate.

No. 55965 was manufactured in 1916 at Vibroplex's 253 Broadway location in New York City. After looking it over carefully the nickled base appeared to be thoroughly rusted. After liberal applications of WD-40 on Q-tips it turned out that awful brown palor was mostly tobacco residue left behind by at least one owner removed. There was still some rust and in places the plating had been completely rubbed away.

And, there were mechanical problems! The brass frame was bent over though not quite enough to impede operation. Both weights were jammed in place. The arm stop assembly was bent and probably from being dropped. The shorting lever had been engaged so many times the business end was as sharp as a knife. Several parts had been replaced. Finally, there were a few other annoyances too trivial to relate here. Collectively all this brought things real close to d.o.a.!

To shorten up a long story about thirty hours of handwork later the old key is working again. The elegant simplicity of the design is not diminished in any way. Most importantly the patina produced by thousands of hours of CW is a joy to behold. This one was surely used for decades but at the same time not abused! Perhaps the original owner may have been a telegrapher instead of a ham. We'll never know now!

In the up-scale antique business "well-loved" is used to describe handsome surviving pieces and it is certainly appropriate here. I lamented early-on that the original composition thumb-piece had been swapped-out for two small hand-crafted ivory tabs. Now, the replacements look very much at home and actually handle quite well.

This vintage Blue Racer is finally back on the air and one thing immediately came to mind! Old solid brass parts sending code sound so much better than

new steel parts doing the same thing. Perhaps it's a case of relishing the "clack" instead of a "click".

Thanks in part to its soft main spring the bug feels great in my hand. But, just like K0EXB mentioned to me the \$/#@*& dash side still hangs up every so often, and for absolutely no reason at all! With this in mind, Phil has to be smiling a little bit these days! GL OM

de Dave, NF0R nf0r@slacc.com

Date: Wed, 25 Mar 1998 19:59:32 -0600
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [6859] contact cleaner
Message-ID: <199803260159.RAA14402@mailtod-122.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

The band switch on my Century 21 needs to be cleaned. What is being used now days to do that kind of job? Any ideas welcome.

ac5ez Larry
qcwa

Date: Wed, 25 Mar 1998 20:03:41 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: kc5tja@topaz.axisinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6860] Re: HW CPY?

Message-ID: <3519B77D.380FC638@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One more time:

HW CPY? or HW COPY? or HW? or HW NW? or HW NOW? are all simply indications that you are about to stop transmitting and represent an invitation for the other person in the QSO to respond. A more "official" prosign would be AR meaning "End of Transmission."

In my experience, HW in any of its various forms has nothing whatever to do with the act of copying anything other than in the most general sense of enquiring "are you still getting me and are you ready to transmit because I am about to turn it over to you."

"Get your feet off the table and your hand on the key 'cause here she comes!"

Sam, I have no problem with this posting and haven't even started warming up the blowtorch. I do think that you are looking too closely at the trees and failing to glimpse the forest.

Think of all the really meaningless phrases and expressions that we exchange when making "small talk." Most of them are said in formulaic fashion and have little if any true meaning. Even "How are you today?" really isn't a state-of-health enquiry - it is just a trite but acceptable greeting. The formula response is, of course, "Just fine, and you?"

A few CW QSO's, even just "reading the mail" (listening only and not transmitting) would do a lot to familiarize you with common/frequent CW abbreviations and prosigns.

Try listening again and regain that 5 wpm - there is a lot of fun to be had out there, especially on QRP CW!

Good luck!

--
72/73, George
Amateur Radio W5YR
QRP-L #1373
QRP ARCI #9583
AutoPOWER Systems
Fairview, TX

KC5TJA wrote:

>
> PLEASE TAKE THE FOLLOWING TEXT AS THE PERSONAL OPINION OF THE AUTHOR. IT
> IS NOT MEANT AS A FLAME MESSAGE. If you feel the style of textual
> representation in this message is questionable, please leave me private
> e-mail. DO NOT put them on the mailing list. The goal was to write
> this message in a magazine-column-like format, since I find that
> easiest to read. Hope I didn't take it too far. Thank you. And now, on
> with the show. :)
>
> I've seen some OMs here say things like "HW CPY?" means things like
> "How are you?" and other things which, to me, makes absolutely no sense
> what-so-ever, in the context of morse code and ham radio.
>
> When viewed in the context of ham radio, "HW CPY?" means "How do you
> copy?". Taken literally, you'd likely answer, "With a pencil and paper,"
> or, "With a computer." But when viewed in the ham radio sense of
> "copying" CW, it means the following: "Tell me if you can understand my
> code."
>
> There are many reasons for not being able to copy your code. In my case,
> I have complete lack of skill -- I've done HF CW only twice in my life,
> and passed only the 5wpm exams more than two years ago. Since I still
> don't have an HF rig, my skills are probably deteriorating exponentially
> with each passing day. Other reasons, however, could include radio
> interference of some kind, or the other party is transmitting too fast.
>
> I believe it was George Baker (on this list) who wrote that HW CPY? meant,
> "Get ready -- here she comes!", and went on to write "No mysteries." My
> apologies, but to me, this would be a COMPLETE mystery to me. :) I never,
> in my life, would think HW CPY? would indicate a desire to transmit
> information; instead, I think of it as a REQUEST for information
> (specifically, the recipient's ability to copy recently sent code).
>
> I suppose I'm taking too literal an interpretation on the subject matter.
> To me, HW CPY? would be a handshake signal, not a data packet. I
> apologize once again if this message seems flamatory in nature -- I do not
> intend it to be so. But I just wanted to make my views on the matter
> unambiguously clear.
>
> Thanks for taking the time to listen to me while I was on the soap-box.
> And now, for something completely different... :-)

> =====
> KC5TJA/6 | -| TEAM DOLPHIN |-
> DM13 | Samuel A. Falvo II
> QRP-L #1447 | Chief Architect and Project Founder

Date: Wed, 25 Mar 1998 19:07:39 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [6861] AR QRP net
Message-ID: <199803260207.TAA25650@rgfn.epcc.edu>

Well, I ALMOST forgot again but did manage to remember the AR QRP net
o/a 7043 in time to catch Jim, KJ5TF with a 589 signal. W0LK was
about the same but he had signed when I tried to check in. Hope to
be earlier next week. Thanks Jim for picking me out of the MX SSB
qro-m. 72/73
Ray

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzn.com)

Date: Wed, 25 Mar 1998 20:19:16 -0600
From: peacemkr <peacemkr@wcc.net>
To: Tracy@bytemark.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6862] Re: Picnic Table Vertical
Message-ID: <3519BB23.FDB9FBF5@wcc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tracy wrote:

> My 30ft pole sits about 4 ft in the ground, giving me about 25 ft of real
> vertical elevation. I'll be putting down an extensive radial system and ground
> rod, so that won't be a problem. I've built many verticals that were
> "insulated" from ground, this will be my first "grounded" ground mounted
> vertical.
>

> My question is this - What is "shunt feeding" and can anyone steer me to a
> schematic to see how it's done? If the vertical was "insulated" from ground I
> would feed it with a one to one UNUN.

> SNIP

Terry I seem to remember an old trick was to use a coke bottle <glass of
course> as a base insulator. Also u might consider a top hat like is used on the
bug
catcher type antennas .. I used a 20" diam. version .. attaching another 24" of
stingers at each hub point .. <8 in all> and a 102" whip as a stinger ... all on
top
of a 30' pipe antenna .. resonated almost into the 80m band .. Base matching coil
was wrapped around the coke bottle.....

Just a thought ...

73's de KA5OAI QRP-L # 1505
<http://www.wcc.net/~peacemkr>
"real radios glow in the dark" hi hi

Date: Wed, 25 Mar 1998 21:32:55 EST
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [6863] leg strap for the Whiterook
Message-ID: <3d10a306.3519be59@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Ya gotta think!!

Improvise.!!!

I used the elastic band, had a name on it. Fruit of the Loom.

Sew velcro on to it, (5 inches) than should give you room to play with (no
pun intended)

The next step is to go to your small local airport and pick up The legenth of
elastic that is used to secure a small clip board to your thigh

\$3.00 and its adjustable

Bob

WA2HQQ

Date: Wed, 25 Mar 1998 22:00:53 -0800

From: Charles Kadesch <chas@digizen.net>
To: ac5ez@webtv.net
Cc: qrp-1@Lehigh.EDU
Subject: [6864] Re: contact cleaner
Message-ID: <3519EF15.7F0D@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry B wrote:

>
> The band switch on my Century 21 needs to be cleaned. What is being
> used now days to do that kind of job? Any ideas welcome.
>
> ac5ez Larry
> qcwa

Hi Larry:

I have had very good results with DeoxIT D5 by Caig Labs and
available from MCM Electronics.

-72 de Chas W3KC-

arrl a-1 op club 1957

Date: Wed, 25 Mar 1998 20:35:49 -0700
From: "Steve Galchutt" <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [6865] Favorite QSOs
Message-ID: <003901bd5868\$48ca4320\$3ca8a3cc@SG2939M.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just had a QSO with Bob - N7XJ/7 camping in the Grand Gulch, Utah. His 40m
SST was banging out a respectable 559 using a dipole ant. Me on my NW40 (5w)
and Vibroplex #382299 and loop antenna. These types of QSOs are always a
thrill for me. I guess it's because I'm really envious of the guy on the
other end wishing I was there. And also know how fun it is to be in the
field working the 'civilized world' from the depths of 'wilderness'. Yes,
one of my favorite types of QSOs!

72...Steve

n0tu - solar powered QRP & wire antennas @ 7,200' ASL
Monument, Colorado - Grid Sq DM79nb

email: n0tu@webaccess.net

Date: Wed, 25 Mar 1998 21:45:53 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6866] Re: expansion of ATU/Delta item
Message-ID: <Pine.SOL.3.91.980325214113.9614A-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

LB, I have heard that a loop for 40 mtrs will perform better, transmitting & receiving, if it is erected in a square shape than if it is erected in a delta loop shape....is this generally true?...thanks & 72
- Bruce(VE5RC) -
- ps - while I'm here I'd also like to ask for your opinion on feeding a loop either horizontally or vertically.....if one is only interested in say the North American continent, would one be better to feed the loop horizontally and use a vertical feed if one was interested in DX off the N.A. continent?

Date: Wed, 25 Mar 1998 22:48:47 EST
From: Kr0i2 <Kr0i2@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [6867] Re: HW CPY?
Message-ID: <9cb97d88.3519d021@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang,

I have difficulty understanding the various comments on this subject. While I know that each individual's comment is probably what he means when he sends HW CPY the fact remains that those two together do basically mean "how did you copy my last transmission to you". I earned my early living as a "sparks" and followed that up through all the rest of my years, until I retired, in communications of

one sort or another and I've never heard the meaning of the phrase questioned prior to this discussion. Guess things are slow on the bands or something :>) This is, however, what I will mean if I ever send it to you on the air. CPY FB will do fine as an answer...hi.

73 de Mac, KR0I
SOWP 3467V QRP 3227 QRP-L 1037

Date: Wed, 25 Mar 1998 19:50:29 -0800 (PST)
From: "S. Lee" <slee@u.washington.edu>
To: Glen Reid <k5hgb@flash.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6868] Re: TEK 2225 O'scope Help Needed
Message-ID: <Pine.A41.3.95b.980325193130.107536B-100000@homer21.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Glen,
I'll keep it short...the Tektronix 2200 series of oscilloscopes are pure junk. The one you're interested in needs repair because that is their normal condition....intermittent and in need of repair. I bought one new at work...never again. At home I've had a Hitachi V650F for thirteen years now without a single problem.

Look for a 400 series 200 MHz Tek (TEK-475) and you'll have yourself far and away a better scope for about the same cost.

de AB7HI, Stephen Lee, Federal Way, WA
slee@u.washington.edu

Date: Wed, 25 Mar 1998 22:50:33 -0500
From: Kevin Walker <KB9NUN@compuserve.com>
To: <qrp-l@Lehigh.EDU>
Subject: [6869] Introduction-again
Message-ID: <199803252250_MC2-37F7-5D43@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hello the the list-

I have been a lurker to the list using a work address to get my postings.=
=

Finally set up my home account since I had problems with my emails being sent as attachments. Certainly enjoy the list and am learning with each posting. Also am anxiously awaiting my SW+ and the elmer101 to start.

73,

Kevin/KB9NUN

Date: Thu, 26 Mar 1998 04:10:05 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Cc: bensondj@aol.com
Subject: [6870] #3 is alive
Message-ID: <199803260410.EAA01274@chuck.dallas.sgi.com>

Gang,

After careful assembly with the patented K5F0 assembly technique I powered up the transceiver, a.k.a. SW-40+, after having put it in a TenTec case, just like the other SWL-XX rigs.

Since I had already peaked the two transformers in the transmitter chain, all I had to do was peak the receiver and it was done. Adjust for 0.95W (tm) output I listened up and down the band. Mine tunes from 7.018MHz to 7.056MHz with no drift.

I tune around 7.054-7.055 and QRL the frequency. I call one 3X3 CQ and WAMMO!! back comes N4EUK, Steve in VA. Honestly, it was that easy. His 549 my 559. We got clobbered by QRM about 6 minutes into the QSO, but it was still a go.

Thanks Steve for the nice one, he is a member of the group with QRP-L number 143, which he was quick to give to me as he knows that I collect those things. :-)

Like Preston, WJ2V, says you can't hear a peep out of the opposite sideband on the receiver, it is quiet, and it has good audio drive to earbuds (tm) and SGI headphones (tm).

: -)

So Dave, NN1G, has #1, Preston, WJ2V, has #2, and Chuck, K5FO, has #3 up and running. We are working on getting Dave to put up an antenna and next Tuesday night if all goes to plan we all three will be on for a special foxhunt for fun. Stay tuned for posting on Monday when we get things finalized.

Pics on the web site late tomorrow. All those of you signed up to build your first rig for the Elmer101 project are really going to like the fact that you are going to build a fun rig.

I'm off to work some more stations. Until the band closes or I pass out, whichever comes first.

Film at 11. dit dit

Chuck Adams K5FO Dallas, TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 25 Mar 1998 14:07:42 -0800
From: "Frank A. West" <ke6vhm@earthlink.net>
To: <csnyder@nextdim.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [6871] Re: Finally got my Call Sign
Message-ID: <199803260411.UAA13610@norway.it.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

CONGRATS CHUCK
Use it in good health

72 de KE6VHM Frank

> Chuck Snyder (KD7BBF) <== BAND NEW CALL SIGN!!!

Date: Wed, 25 Mar 1998 20:35:47 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [6872] Chuck Adams Page?
Message-ID: <3519DB23.4659@vdbbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Lots of references to Chuck's page these days. I haven't been able to bring it up for two days. Anyone else having problems or know what the problem is? I'd like to have a look at the elmer rig schematic.

--

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16 Private Practice : Companion Animals and
Exotics
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa
Cruz
Santa Cruz,
California

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Wed, 25 Mar 1998 20:41:09 -0800
From: Jeff Grudin <grudin@pacific.vdbbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [6873] Ya really gotta think!
Message-ID: <3519DC65.3FAC@vdbbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Ya gotta think!!

> I used the elastic band, had a name on it. Fruit of the Loom.

Hey Bob, us hams already have a bad rap about town. If we go driving around town diddling with a paddle strapped to our fruit of the looms, what's the neighbors to think. :-)

--

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16 Private Practice : Companion Animals and

Exotics

Norcal QRP #1292

Cruz

California

Ocean Animal Clinic / Cat Clinic of Santa

Santa Cruz,

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Thu, 26 Mar 1998 04:41:55 GMT

From: adams@chuck.dallas.sgi.com (Chuck Adams)

To: qrp-1@Lehigh.EDU

Subject: [6874] Web Page

Message-ID: <199803260441.EAA01353@chuck.dallas.sgi.com>

I looked at my page before leaving work.

I see different post the hard way to get there.

Try

<http://reality.sgi.com/adams/>

Chuck Adams K5FO Dallas,TX CP-60

<http://reality.sgi.com/adams> adams@sgi.com

Date: Thu, 26 Mar 1998 04:43:13 GMT

From: adams@chuck.dallas.sgi.com (Chuck Adams)

To: qrp-1@Lehigh.EDU

Subject: [6875] Web Page and English

Message-ID: <199803260443.EAA01362@chuck.dallas.sgi.com>

OK, I see different individuals post the most
difficult way to get to my page.

Easiest to type is

<http://reality.sgi.com/adams/>

Chuck Adams K5F0 Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 25 Mar 1998 20:44:00 -0500
From: wpc@west.net (John L. Roblin / Whiterook Products Co.)
To: qrp-1@Lehigh.EDU
Subject: [6876] Re: \$1 Whiterook Paddle "upgrade"
Message-ID: <v01530501b13f60af9e90@[205.254.241.239]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Early models of our Pocket Mini-Paddles used an aluminum spacer. We switched over to a *nickel plated brass* spacer back around Oct. 1996. Drop me a buck in the mail only if you have an old one and I will send you the better spacer.

72, John

(Stay tuned to the website for a new product coming soon!)

John Roblin WA6KY0
Whiterook Products Company
"Mini-Keys and Other Cool Things!"
<http://www.west.net/~wpc/>

Date: Wed, 25 Mar 1998 23:50:27
From: radioham@erols.com
To: qrp-1@Lehigh.EDU
Subject: [6877] Re: #3 is alive
Message-ID: <3.0.1.16.19980325235027.21df357a@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All I can say is that it was more fun than working the fox - and no competition. Here I am just tuning up and down 40M, listening to all the SSB and digital stuff in search of the occasional CW station and my ears pick up "K5F0" and then a CQ. Immediately retune for that part of the band and Chuck comes back to me. The Elmer 101 rig, at a booming 1 watt, sounds great. Like he said, no drift either. Nice tone, clear note. Could have

been one of them KenYaesIcos for all I knew (except I knew K5F0 wouldn't be using one - I was, but at 5 watts). Unfortunately, by the second exchange one or two (hard to tell) SSBers started making crude noises and copy went downhill.

So the Elmer 101 rig gets a hearty well heard from here in Virginia. Not real far, as the crow flies, but a good test at one watt. Not a toy, but a real radio.

Thanks for the quick one, Chuck.

72/73,

Steve, N4EUK
Reston, VA
QRP-L #143

Date: Wed, 25 Mar 1998 23:45:27
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [6878] elmer101: TR switching and low pass filter
Message-ID: <3.0.1.16.19980325234527.26077d30@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,

The said to ask a question no matter how simple because somebody else out the probably wants to know also but is to afraid to aks so here goes. This has to do with both the elmer 101 and the ugly weekender I am finishing up.

Take a look at the low pass filter off (sw-40+) and the TR switch. That would be D7-10, C37-39, and L4 and L5. In the post of about the Power supply and related components, they said the the .01 caps were to bypass RF in the supply lines to ground. Would C38 in the lowpass filter do the same and the RF would never get to the antenna or to the RX? Also, In the TR switch, C40 and RFC3 Form a tuned circuit at 7 mhz. (The formula is in the ARRL handbook). I thought a tuned circuit blocked the frequency it was resonont at. If this is the case, then RF from the antenna will never get to the RX. (This is part of the trouble I'm having with the UW. RF never gets throught what would be C40 or RFC3). Last question. The four diodes which make up the TR switch also trouble me. IT seems that D7 and D8Would conduct the transmitted RF to ground(if it ever got past C40). I think I am missing something really big here so if someone could please enlighten me I would appriciate it.

73,
Arnold kd5ckh.

Date: Wed, 25 Mar 1998 23:47:47 -0800
From: mike czuhajewski <wa8mcq@abs.net>
To: QRP forum <qrp-l@Lehigh.EDU>
Cc: Bob Gobrick 1 <rgob@tengizchevroil.com>, Bob Gobrick 2
<rgobrick@worldnet.att.net>, Buck Switzer <n8cqa@tir.com>, Byron Johnson
<byron8lcz@aol.com>,
Cam Bailey <kt3a@juno.com>, Danny Gingell <k3tks@abs.net>, Dave Johnson
<wa4nid@amsat.org>, Hank Kohl <k8dd@contesting.com>,
Subject: [6879] QRP ARCI numbers for clubs
Message-ID: <351A0823.1CAA@abs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We were recently asked if clubs could join the QRP ARCI to get a membership number for use during contests. The answer is yes, they can get a free membership (which does NOT include a subscription to the QRP Quarterly), and have a member number which they can use with their club callsign. Here's the reply from Dave Johnson, WA4NID, our membership chairman, who asked me to forward this to qrp-l since he is not a subscriber to it.

--

73 and Queue Our Pea de WA8MCQ wa8mcq@abs.net

Forwarded from WA4NID:

Clubs can now obtain a QRP ARCI membership and receive a lifetime membership number. If a certificate is desired, then the usual \$2 charge applies. This does not include a subscription to the QRP Quarterly.

This is not a major change in membership policy, only a way for club callsigns to be assigned a membership number to enable the calls to be used in QRP ARCI contests or other on-the-air activities, as a way of encouraging club QRP operation.

Applications for this should be made by a club trustee using one of our standard membership application forms (one included below), and clearly indicating that it is for a club call.

72 and have fun with QRP!

Dave WA4NID
QRP ARCI Membership Chair

Here is my "form letter" describing what addresses to use for sending funds for new memberships or renewals of subscriptions, and inquiries about membership status, for the QRP Amateur Radio Club International (QRP ARCI).

Ken Evans, W4DU, is the QRP ARCI Treasurer, and all funds for new memberships and renewals for those in North America should be sent to him. See below for non-North American applicants.

North American applicants please make checks out to QRP ARCI, and send to
Ken at:

QRP ARCI
848 Valbrook Court
Lilburn, GA 30047-4280

Ken may be reached by email at w4du@bellsouth.net

DX Membership (for all non-North American members):
Checks for 13.50 UK pounds ONLY. We can accept Visa / Mastercard at 14 UK pounds. Make checks payable to "GQRP" (ONLY), and send to:
Dick Pascoe, G0BPS
Seaview House, Crete Road East
Folkestone. Kent CT18 7EG UK

DX Membership funds can also be paid in US Dollars. Send \$20 check or money order to Ken Evans at the above address.

PLEASE NOTE THAT INQUIRIES about membership status, CHANGES OF ADDRESS, or other matters pertaining to membership in QRP ARCI which do NOT involve funds transfers should go to the new Membership Chair, Dave Johnson, WA4NID, at the following address:

Dave Johnson
2522 Alpine Rd.
Durham, NC 27707-3820

Dave may be reached by email at WA4NID@amsat.org

For your information, here is the form that we ask folks to fill out when applying for or renewing membership. We just need a little bit of info: USA applicants: PLEASE supply ZIP-PLUS-FOUR!

.....

New Member/Renewal Data Sheet NEW MEMBER? _____

Full Name _____ CALL _____ QRP# _____

Mailing Address _____

City _____ State/Country _____ Post Code _____

New Address? _____ New Call? _____

(Optional but helpful:)

Email address _____ Previous Callsign(s) _____

Home Phone (incl. area code) _____

Work Phone (incl. area code) _____

Packet address _____

Check or Money Order in US Funds payable to QRP ARCI (US Dollars sent to Ken Evans) or GQRP (UK Pounds sent to Dick Pascoe). Do not send Cash!!

.....

Currently, membership rates are \$15 for US members, \$18 for Canadian members, and \$20 for DX members, if paid in US Dollars and sent to Ken Evans. See other instructions above for payment of funds to our rep in the UK (for non-North American applicants).

Back issues of the QRP Quarterly are available from Danny K3TKS (k3tks@abs.net), and you can see a recent account of available issues on the web page accessible from the QRP ARCI home page at <http://www.qrparci.org/> (follow the link in the menu!)

I hope this info is helpful. Please let me know if you have any questions,
and thanks for your support of QRP ARCI !!!

Sincerely,

Dave

Date: Thu, 26 Mar 1998 05:11:27 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: radioham@erols.com
Cc: qrp-l@Lehigh.EDU
Subject: [6880] Re: #3 is alive
Message-ID: <199803260511.FAA01451@chuck.dallas.sgi.com>

Steve,

Thanks for the note and the QSO. Everyone note that I copied his # correctly right out of the bag. No, I didn't look it up, as I have the stuff offline, both at work at home due to work in progress that requires some serious disk space. :-)

Worked CA just after my post.

Gotta complain to Dave Benson, NN1G, though. Tuning across the band and about 7.047MHz I have this station that I can hear with the RF gain all the way to zero. Now I know that Dave lives in Newington but does he have to have a builtin W1AW amplifier in the receiver? :-) W1AW was very strong tonight. I didn't try just the earphones without the receiver connected. :-)

Yep, I only own two commercially built rigs, the TenTec Corsair I and the 525D. Both are in the closet and besides I have lots of fun with the ones that I built.

Wish I was going to be in town the first Monday,

I would think with the 0.8Ahr battery and the SW-40+
I could do some serious scoring points. OK, May then.

I will let the others, when they get their SW-40+
report their results.

One thing that I wanna thank Dave for is the honor
in building one of the first three. He sent to me
without any my saying anything. I have sent him a
check for it and the one I have on order for the
Elmer101 project which I'll get for 30 meters.
And like Doug I'm paying for the shipping. A small
token of my appreciation for the work that Dave does
and for the work he did for the Elmer101 project.
It is a great bargain and should get a lot of new
guys and girls hooked on building and help them
each learn a lot in the process.

I'll have the phases that I went through on the
web page Friday. I am working on some other stuff
that a couple of people are waiting on. Thanks
gang.

FYI gang

Steve, again thanks for the first QSO on the
SW-40+. I've gotta get Preston on the air for
the first two-way SW-40+, then be around for the
others when they get going.

cioa,

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Thu, 26 Mar 1998 00:15:36 -0500
From: Phil Rutledge <rut@mcrut.mv.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [6881] Re: Need R.I. for WAS/QRP
Message-ID: <199803260513.AAA22284@mercury.mv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Guys,

>
>You have it all wrong. The going commodity is "Quahogs" (thats clams to non
>Rhode Islanders)
>
>Bob - N1PWU
>East Greenwich, RI

Yeah, but they're BIG clams. And don't forget the venerable R.I. "Johnny
Cake"!! :-)

Phil (K1HS)

Date: Wed, 25 Mar 1998 21:22:00 -0800
From: Robert Bayha <rbayha@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [6882] Internet Traffic/Speed
Message-ID: <3519E5F8.598252AA@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang...

Not QRP, BUT.... since we are all using the net and before you cuss out
your ISP, check out this web site:

<http://www.andovernews.com/trafficreport.html>

Be sure to scroll down the page...

My analysis is if people aren't sleeping or eating then they are on the
net :-)).

--
Bob Bayha, K6RKB
QRP-L #1209, QRP-ARCI #9505
CQC #488 G-QRP #9884, NorCal #2394

Date: Wed, 25 Mar 1998 22:08:54 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: "S. Lee" <slee@u.washington.edu>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6883] Re: Coax Connector Question
Message-ID: <Pine.SOL.3.96.980325220332.1867C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I got so much help that I'm replying here for all to see.

The first one to identify the connector was Alan, and he knew it right away!

It is called an HN type connector.

Still in the Newark book and from one vendor on the Web. The vendor was able to identify it from the part number and has them in stock.

The funny part is that a little after 5 pm when I got back to the shop, another fellow said he thought he knew where some were and sure enough there was a whole pannel full!

Once again the list came through! After knowing what to ask for it was all down hill from there.

Thanks a bunch,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 26 Mar 1998 01:25:20 -0500
From: Andris Neimers <VitalVoice@compuserve.com>
To: QRP-L reflector <qrp-l@Lehigh.EDU>
Subject: [6884] Query re Loops
Message-ID: <199803260125_MC2-37FA-D2FE@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1

Content-Disposition: inline

Sorry...wiped the name of the VE5 who asked about loops/deltas etc...

The pecking order on full wave "loop" antennas is that maximum efficiency comes from actually constructing a full loop/circle for a given

band.. (if you just happen to own a ferris wheel you could even try for a

160m loop!...) Next best is something like an eight-point loop..then a "quad".. then a delta and then a skewed delta when space doesn't permit three equal length sides... The reason for trying to build a classic full=

loop is that it minimizes small radiation lobes... A skewed delta, for instance, could have a number of lobes, and a harder to predict radiation=

pattern... I feed my loops and deltas - 40 through 6m - for vertical polarization and haven't had any problems working non-DX ops in NA... And=

as for DX work, after the first F layer bounce it doesn't matter anyway whether the signal started off as a "Vert" or a "Horz"...

73 Andy/VE7FJT
Bowen Isl. B.C. =

Date: Wed, 25 Mar 1998 23:25:59 -0600
From: "Dick Schneider" <rschneid@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [6885] FS: Ten Tec Argonaut 505 QRP CW/SSB Transceiver & Pwr Sup
Message-ID: <199803260634.AAA14735@dfw-ix10.ix.netcom.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

FOR SALE: Ten Tec Argonaut 505 QRP CW/SSB Transceiver & Pwr Sup

TenTec Argonaut 505 CW/SSB Transceiver & 251 Pwr Sup \$350 OBAO

- 3-5 Watts output. 80-10 Meters. No WARC.
- Realigned and refurbished recently by Ten Tec
- Excellent condition. No modifications.

TenTec 251 power supply
-w/TenTec 207 ammeter

Prices include shipping to CONUS

Email replies to rschneid@ix.netcom.com
72/73 Dick AB0CD..

Date: Wed, 25 Mar 1998 23:25:59 -0600
From: "Dick Schneider" <rschneid@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [6886] FS: HW9 CW QRP Transceiver w/ps
Message-ID: <199803260634.AAA14737@dfw-ix10.ix.netcom.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

FOR SALE: HW9 CW QRP Transceiver w/ps

HW9 CW Transceiver w/PSA9 matching power supply \$375 OBAO
-3-5 Watts output
-80-10 Meters, including all WARC bands
-Excellent condition. No modifications.

Prices include shipping to CONUS

Email replies to rschneid@ix.netcom.com
72/73 Dick AB0CD..

Date: Wed, 25 Mar 1998 23:51:03 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU, cqc@mtechnologies.com, cqc@mtechnologies.com
Subject: [6887] web page for adjusting keys
Message-ID: <199803260652.XAA17574@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

We've added a page with more or less generic instructions for
adjusting straight keys and paddles, at
<http://www.mtechnologies.com/keyadj.htm>.

Comments welcome.

73

Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382

--

Date: Thu, 26 Mar 1998 00:59:51 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Roger Braker <msebrakr@telepath.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6888] Re: elmer101: TR switching and low pass filter
Message-ID: <Pine.SOL.3.91.980325233856.19789A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 25 Mar 1998, Roger Braker wrote:

> Take a look at the low pass filter off (sw-40+) and the TR switch. That
> would be D7-10, C37-39, and L4 and L5. In the post of about the Power
> supply and related components, they said the the .01 caps were to bypass RF
> in the supply lines to ground.

> Would C38 in the lowpass filter do the same and the RF would never get to
> the antenna or to the RX?

For those who don't have the schematic of the OUTPUT FILTER ...

```
RF from PA ---C36---+----- L3 ---+-----L4 ----+-----> to antenna
                   |                   |                   |
                   C37                  C38                  C39
                   |                   |                   |
                   gnd                  gnd                  gnd
```

C36 is a 0.1uF and is a simple coupling cap, that is, blocks DC from the final transistor (PA) from the filter components.

L3,L4 and caps C37, C38 and C39 for the output filter, which is basically TWO low pass filters glued together (hopefully with solder!).

The values are:

L3, L4 = 1uH (16 turns on a T37-2 toroid)

C37, C39 = 470pF

and C38 = 1000pF

First, note how C38 is twice the value of C37 and C38. This is because C37, C38 and L3 form the first low pass filter (LPF) and C38, C39 and L4 form the second LPF.

In the equations for calculating the values of multi-pole filters, the capacitor that is "shared" by two sections will be about twice the input (or output) capacitor to keep the impedance normalized.

In this case, for Dave's 40M SW+, you want a cut-off frequency somewhat above 7MHz, so output power ABOVE 7MHz will be attenuated. One single LPF will attenuate frequencies above the cut-off frequency by 6 to 12dB per section. If you were to plot the attenuation on a piece of paper, output power vs. frequency, the slope of the output power goes down above the cut-off frequency ... this is called the "roll-off" slope. If you put two filters in series, the slope of the roll-off will be additive, that is, making the slope even steeper. In this case, the power coming out of the two-section LPF (at the antenna) must be down at least 30dB at 14MHz (the 2nd harmonic of 7MHz) per FCC regulations.

Considering just the FIRST low-pass filter ...

this is C37, L3 and C38. Let's do some simple calculations. If you wanted, you could redraw the first LPF as two capacitors in series (C37 and C38) with L3. This is called network transformation, which simply means to lump like components together for analysis. If you can't picture that ... that picture the C37 and C38 connected together via the ground, which would then be two capacitors in series across L3.

Well, doesn't that make a parallel resonant circuit? A capacitor across an inductor?

What is the equivalent capacitance of C37 and C38 in series? The equation is:

$$CT = \frac{C37 \times C38}{C37 + C38} \quad \text{where CT= "Total" capacitance}$$

So what *is* the total capacitance of C37 (470pF) and C38 (1000pF) ??? (Hint, it will be less than the lowest value, or less than 470pF)

Now ... what is the resonant frequency of this equivalent CT in parallel with L3 (1uH)?

The equation for determining the resonant frequency (Fr) is:

$$F_r = \frac{1}{2\pi \times \sqrt{L_3 \times C_T}}$$

where: $2\pi = 6.28$
 $\sqrt{} = \text{"square root"}$

If you calculated everything correctly, you should come up with a frequency slightly ABOVE 7MHz.

Say it is 8 MHz (Yes, I calculated the answer, but I ain't gonna tell you!). Now note that the second section (L4, C38 and C39) are the same values as the first section. So this makes a 2-pole filter, or two filters at the same frequency and roll-off connected in series such that they re-inforce each other to form a "steeper" filter than what a single section can do by itself.

Making resonant circuits of these elements is not normally how the values for each filter section are derived, but it is always a good check to make sure the component values are correct. The actual values chosen also have to do with converting the very low impedance of the PA transistor to 50 ohms ... so in addition to attenuating the 2nd harmonic, the output filter also "matches" the impedance of the transmitter to the impedance of the antenna.

> Also, In the TR
 > switch, C40 and RFC3 Form a tuned circuit at 7 mhz. (The formula is in the
 > ARRL handbook).

Yes, that's right. Using the equation for F_r above, it will calculate out to 7MHz (C40 = 47pF and RFC3 = 10uH). But notice, C40 and RFC3 are in series ... which still makes a resonant circuit, but it is a SERIES L-C resonant circuit. The only difference is a SERIES resonant circuit has a very low impedance, such that it appears ALMOST like a short circuit to the resonant frequency, and a high resistance to others. So, in this case, it easily passes 7MHz, while attenuating others.

> I thought a tuned circuit blocked the frequency it was
 > resonant at. If this is the case, then RF from the antenna will never get
 > to the RX. (This is part of the trouble I'm having with the UW. RF never
 > gets through what would be C40 or RFC3).

The low-Z of the series L-C circuit explains why the RF will easily pass to the receiver, WHEN THE DIODES ARE NOT CONDUCTING.

> Last question. The four diodes
 > which make up the TR switch also trouble me. IT seems that D7 and D8 Would
 > conduct the transmitted RF to ground(if it ever got past C40). I think I
 > am missing something really big here so if someone could please enlighten

> me I would appreciate it.

This circuit is **not** "intuitively obvious to the most casual observer" to quote many a college book. It is a confusing circuit until it has been explained to you.

During receive, the signal comes in through the antenna, and through the output filter "backwards" (compared to the direction of RF during transmit). Doesn't matter, but the two LPF sections will pass receive power just like the transmitter. That is, signals above 7MHz will be attenuated, and the 7MHz signals arrive at C40 with little attenuation. (In fact, a little apparent "gain" occurs because you are now bandwidth limiting the noise power that comes in with the 7MHz signal).

In receive, C40 is a coupling capacitor, also forming the series tuned circuit. The diodes to ground do nothing, because they must be forward biased to conduct. Thus, in receive, the diodes are like very high resistors, well above 1 Meg ohm, to ground, and very little of the receive RF will go to ground through the diodes.

BUT IN TRANSMIT, the output RF will be many volts, peak to peak (1 watt = +30dBm = 7V rms = 9.9V peak = 19.8V peak-to-peak). A diode will conduct when forward biased, that is, 0.7v or more across it. There are two diodes in series, which means they will conduct when the voltage is $2 \times 0.7V$ or 1.4V. So when the output rf sinewave goes positive above 1.4v (almost immediately), diodes D7 and D8 will conduct, and when the sinewave goes more than 1.4v negative, diodes D9 and D10 will conduct. When a diode conducts, its resistance goes very low, generally a few ohms. So for practical purposes, those diodes are a switch ... in RECEIVE, the switch is open (high resistance >1Meg) and in TRANSMIT, the switch is closed for nearly zero ohms.

Now at first, it would appear that the output power, nearly 20Vpp at 1 watt, would be shorted to ground through those diodes and very little power would make it to the antenna. This is what common sense tells you, but there is one neat little deal going on here that is not real obvious. With the diodes turned ON, then one end of C40 is now connected to ground. SO, you ask? Well, all that does is puts C40 (47pF) in parallel with C37, the input capacitor to the output filter. Do you see that? The way Dave drew this part of the circuit, makes that quite clear. Just imagine a ground on the RFC3 end of C40, and you should see it is now in parallel to C37.

So in receive, C40 passes the LOW LEVEL RF on to the receiver, while in transmit, C40 becomes part of the tuned circuit of the first filter pole.

The equivalent series capacitance of C37 and C38 is 320pF. In transmit, C40 across C37 will make C37 look like $470pF + 47pF = 517pF$. If you

recalculate the series capacitance of this value of C37 in series with C38, the total capacitance raises to 340 pF ... or a mere 20pF. Now recalculate the resonant frequency of the first filter section with this value of capacitance, and you'll find it hardly alters the filter at all.

In the Navy, we called that MES (Magic Electronic S___). Is pretty neat, eh?

Your questions on the workings of this part of the circuit were appropriate, because the actions of the output filter (being two series low-pass filters) and the T-R switch is **not** real obvious.

By the way ... let's throw in a little troubleshooting while we're at it. What would happen if you accidentally got D9 and D10 in the wrong way (reversed the anode and cathode leads on the board?). Now you got all 4 diodes "facing the same way." They would still switch on and do their thing on the positive cycle of the output sinewave, but on the negative portion of the sinewave, nothing would happen and a BUNCH of power will be sent to the receiver. This would not be cool!

This is why Dave took the time to provide an illustration and some stern words about proper orientation in the SW+ Elmer manual on page 11. (By the way, Dave's overall Instruction Manual for the SW+ is EXCELLENT). All those diodes are there for a reason, mostly serving as switches. You turn on switches (diodes) at the wrong time, or the switch doesn't work (diodes in wrong) ... then it certainly isn't going to work properly, if not outright compromising some of the protection features of the rig.

GL Arnold, and all the others, with the Elmer 101 project.
72, Paul NA5N

Date: Thu, 26 Mar 1998 06:24:35 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: k5hgb@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6889] Re: TEK 2225 O'scope Help Needed
Message-ID: <EavFgWAjSfG1EwsG@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <35199891.80223E4F@flash.net>, Glen Reid <k5hgb@flash.net> writes
>I have the opportunity to get a TEK 2225 scope from an estate sale at a
>very good price---except, the scope has a problem. The seller is

>graciously willing to let me price the fix for the problem prior to
>closing the deal.
>
>I have heard stories of a retired TEK employee who now earns spare money
>by repairing scopes.
>
>Can anyone direct me to this repair person?
>
>Anyone ever used a 2225? Comments?

I've got one, I bought it new about 10 years ago. It developed a weird
fault with the focus circuitry that cost quite a lot to repair, but
apart from that it's been OK. I'd buy a used 465 or 475 now, as someone
else has suggested.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Thu, 26 Mar 1998 06:13:22 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: ac5ez@webtv.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6890] Re: contact cleaner
Message-ID: <fKXDkQACIfG1Ewvy@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <199803260159.RAA14402@mailtod-122.bryant.webtv.net>, Larry B
<ac5ez@webtv.net> writes
>The band switch on my Century 21 needs to be cleaned. What is being
>used now days to do that kind of job? Any ideas welcome.

The manuals for my old Marconi signal generators recommend using benzine
or white spirit, and then wiping the contacts with a suitable lubricant
such as a 1% solution of petroleum jelly in white spirit. Nowadays I'd
just use some contact cleaner/lubricant like Electrolube.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850

DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Thu, 26 Mar 1998 00:45:57 -0800
From: Conrad <radman@best.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [6891] "time-out" for the RS freq counter... ?
Message-ID: <01BD5850.8B90EA00@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Remember when we all bought the discontinued RS 22-305 Freq Counters?
I bought two and I *happily* use them until I discover that I forgot to turn the
meter
OFF last time... and since it doesn't "time-out"... I'm off to Radio Shack for
more
AA batteries... hmmmmm, conspiratorial ;o) ?!

Seriously, are there any hot-dog EEs on the list who've come up with a clever
"time-out"
mod for this otherwise wonderful instrument?

Hate to whine for \$39.95... but, there must be a patch, eh?

72 -- Conrad -- nn6cw.

Date: Thu, 26 Mar 1998 01:56:01 -0800
From: Conrad <radman@best.com>
To: "'k5hgb@flash.net'" <k5hgb@flash.net>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [6892] RE: TEK 2225 O'scope Help Needed
Message-ID: <01BD585A.5485D5C0@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Glen,

When I was on the hunt for a used Tek scope all I heard from engineers, =
hams and repair techs alike was: "Buy a 465!" So I did. I'm very happy =

with it! RE: your 2225 dilemma -- here are a few Web-published resources =
that may be of help:

Bill Byrom, N5BB, works for Tek (in Texas) and has his own Test Eqpt Web =
Page: http://www.teleteam.com/~bill_byrom/=20
William Henry Fissell IV works on "Orphan Computers and Old Tek Scopes." =
URL: <http://www.alma.com/~whf/billinterests.html>
Tek Manuals and "Retired Tek/HP Engineers Site": =
http://spunky.paranoia.com/~filipg/HTML/REPAIR/F_Manuals.html
(Bob Garcia, aka: "Mr. Scope" is on the above site)

Commercial sites selling refurbished Tek Scopes:=20

Test Equipment Depot: <http://www.fotronic.com/specials.htm>
Canadian Used-Tek Commercial Site: =
<http://www.sphere.bc.ca/test/tek1.html>

(usual disclaimers, etc.)
GL & let us know what you decide,

72 -- Conrad -- nn6cw.

-----Original Message-----

From: Glen Reid [SMTP:k5hgb@flash.net]
Sent: Wednesday, March 25, 1998 3:52 PM
To: Low Power Amateur Radio Discussion
Subject: TEK 2225 O'scope Help Needed

I have the opportunity to get a TEK 2225 scope from an estate sale at a
very good price---except, the scope has a problem. The seller is
graciously willing to let me price the fix for the problem prior to
closing the deal.

I have heard stories of a retired TEK employee who now earns spare money
by repairing scopes.

Can anyone direct me to this repair person?

Anyone ever used a 2225? Comments?

Thanks.

gr
--=20
GLEN REID
K5HGB/M(Zero)BGF=09

Austin, Texas
..in the beautiful hill country of TEXAS...

Austin QRP Club # Pi=09

Email: k5hgb@flash.net

Date: Wed, 25 Mar 1998 18:17:29 -0500
From: nilsbull@juno.com (Nils R Young)
To: mjmanship@iquest.net
Cc: qrp-l@Lehigh.EDU
Subject: [6893] Re: Solid Copy? HW? & the ol' 3968 Short Hand of the Disoriented
Message-ID: <19980326.062907.10302.0.nilsbull@juno.com>

Zeke/Mike/W90J once said "99% of the time it is merely 'polite talk' similar to 'How's it goin', eh' which really doesn't require any specific answer. "

Yep. He's right too. My usual response is RRRR and some other gibbering for which Mike will attest I am even at this age still capable. But that's the deal of CW: half the time the shorthand is more arcane than the theory behind the transmitters (or the theorist behind the transmitter, if you're talkin' to me [Are you talkin' t' me? Are you talkin' t' me? Are you talkin' t' me? You betta be talkin' t' me . . .]).

Which is why I have always enjoyed CW with DX stations where English is an L2 (second language) deal. Very simple info passing kinda set up. 'Cept now everyone is using "opr" or "op" or "ops" for "name." QTH is still QTH, but sometimes there's some other word in there. Rag chews with DX stations on CW are also interesting, since often they know more arcane short hand in English than most folks can still remember (as Mike will again testify). GNG DWN 2 ET SUM FD W XYL NW & the like.

But then, we had some pretty arcane SSB short hand back in the ol' 3968 days. "Man, I was workin' some DX this afternoon & I ain't come down yit!" kinda stuff.

And to think that the first time I met Mike, back around 1972 or 73, was one of the old OVTN "late night radio" sessions (back when WB4REN still had that call sign and the serious signal to go with it) when I was runnin' my ol' Argonaut off a couple lantern batteries and one of the OVTN loonies said something like "shut up, Gary! I wanna talk to this guy

runnin' 5 watts!"

Weird, ain't it? How things never change?

Hi Zeke . . . HW?

73

Nils

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch

WB8IJD &c :: The Tagalong Press :: email to: nilsbull@juno.com

<http://www.geocities.com/Athens/Olympus/9172>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 26 Mar 1998 07:18:54 EST

From: wa8rxi@juno.com (Rick Arzadon)

To: slee@u.washington.edu

Cc: qrp-1@Lehigh.EDU

Subject: [6894] Re: TEK 2225 O'scope Help Needed

Message-ID: <19980326.122529.7351.2.WA8RXI@juno.com>

On Wed, 25 Mar 1998 19:50:29 -0800 (PST) "S. Lee" <slee@u.washington.edu>
writes:

>Hello Glen,

>I'll keep it short...the Tektronix 2200 series of oscilloscopes

>are pure junk.

That was short and sweet. I enjoy quick test equipment reviews.

>Look for a 400 series 200 MHz Tek (TEK-475) and you'll have yourself.

I used the TEK-465 for a number of years at work. Retired first job after
30 Years, second job now and working on same type of equipment HI...

No longer need Oscopes in my line of work. The diagnostic printouts tell
us where the problem is!

We haven't contracted a Robot to replace the Circuit Packs yet tho'.

I saw the Cover on "Data Book" by Paul, NA5N (which I need him to
autograph)

and notice that he uses a TEK-475.

I decided to go with the experts!

So, as luck would have it, at the next S&S I picked up a TEK-465 for \$200.00..

100Mhz is cool, I'm not into building VHF stuff.

HW CPY.....And in the back-ground is: "I have no affiliation with the products and/or companies mentioned

72, Rick Arzadon - WA8RXI Taylor, MI.

[QRP-L #1368][ARCI #9050][MI-QRP #587][G-QRP #9125][HI-QRP #32]

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 26 Mar 1998 07:18:54 EST
From: wa8rxi@juno.com (Rick Arzadon)
To: rattray@gpfn.sk.ca
Cc: qrp-l@Lehigh.EDU
Subject: [6895] Re: expansion of ATU/Delta item
Message-ID: <19980326.122529.7351.1.WA8RXI@juno.com>

On Wed, 25 Mar 1998 21:45:53 -0600 (CST) Bruce Rattray
<rattray@gpfn.sk.ca> writes:
>LB, I have heard that a loop for 40 mtrs will perform better,
>transmitting & receiving, if it is erected in a square shape than if
>it
>is erected in a delta loop shape....is this generally true?...thanks &
>72
>- Bruce(VE5RC) -

I had very good luck with a Delta Loop configuration. Apex tied to a tree, the sides were 40 Ft. each and the bottom was approximately 62 Ft., fed at the bottom corner with 40 Feet of 450 ohm twin lead (Vertical polarization?).

Used a commercial tuner (C-L-C, T type). I used this antenna on 80-40-20 and worked stations as far west as CA on 80M, some evenings, with a Kenwood TS-520 @ 100W (CW of course!).

The bottom section was an average 7 Ft. from ole terra firma.

Try any loop configuration, you will find it to be a real winner. This is one antenna that proves the adage, " If you can't hear 'em, ya can't work 'em"

72, Rick Arzadon - WA8RXI Taylor, MI.
[QRP-L #1368][ARCI #9050][MI-QRP #587][G-QRP #9125][HI-QRP #32]

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Date: Thu, 26 Mar 1998 07:53:02 -0500
From: w2bj@juno.com (Barry J Minsky)
To: qrp-l@Lehigh.EDU
Subject: [6896] Portable Antennas
Message-ID: <19980326.075539.3638.0.w2bj@juno.com>

I am looking for a portable antenna to use on the balcony of a condo. It is a small vacation condo in a complex. There is very little room and no place to hang a wire off the balcony. I gave some thought to MFJ's small loop or AEA's IsoLoop. However, they are pricey. Any good ideas? Does anyone have a used antenna that would work for this purpose for sale or plans for building one? Thanks.

73/72,

Barry J. Minsky, W2BJ
ARRL, QRP ACRI #8871, FISTS #2701
Quarter Century Wireless Ass'n #29298, Old Old Timers Club #3723
Adventure Radio Society #359

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Date: Thu, 26 Mar 1998 08:04:41 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: slee@u.washington.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6897] Re: TEK 2225 O'scope Help Needed
Message-ID: <351A5269.4765@ibm.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

S. Lee wrote:

> I'll keep it short...the Tektronix 2200 series of oscilloscopes
> are pure junk. The one you're interested in needs repair because
> that is their normal condition....intermittent and in need of
> repair.

Just another data point. I've had a Tek 2235 (100Mhz) Since 1985 when I purchased it new. I've had nothing but good results with it. It's easy to use, triggering is stable, trace is bright and easy to read. YMMV.

--

72 de kf4trd
Mike Maiorana
Palm Harbor, FL

"And if I have prophetic powers, and understand all mysteries
and all knowledge, and if I have all faith, so as to remove
mountains, but have not love, I am nothing"

Date: Thu, 26 Mar 1998 07:25:09 +0000
From: Jim <kj5tf@mctc.com>
To: qrp-l@Lehigh.EDU
Subject: [6898] AR QRP 40M net - I smell tuna!
Message-ID: <351A02D5.6143@mctc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A pretty good 40M net last night, we had N9ZZ, W0LK, AC5JH, AB5ZD and W5XE.

Tom, AC5JH tested everyones hearing by checking in with his Tuna Tin 2 with 250MW. I was tempted to get my 49er online, but there was allot of QRM so I chickened out.

Thanks, and hope more QRP'ers and QRPP'ers will join in next wednesday at 7:00pm central, on 7.042-43mHz. Thats 01:00Z on UTC thursday.

72/3'z de jim AR QRP #2

Date: Thu, 26 Mar 1998 06:44:04 -0700
From: wa5whn@juno.com
To: qrp-1@Lehigh.EDU
Subject: [6899] 15 meters was mucho caliente !!
Message-ID: <19980326.064409.2678.0.wa5whn@juno.com>

qrp-1ers,

I was pruning a double ended bazooka for 15 meters yesterday afternoon. Ten-Tec 555 is throttled @ 10 watts PEP, while I was checking out the antenna. I hear JA3CZY, Elvin, near Osaka, booming in calling CQ, with no takers. S-9+10db, hey, let's see if Elvin can copy me. Sure enough, he tells me that I am S-5. He is still running 1KW, into 4 elements for 15 meters @ 100 feet. We chat for about 10 minutes, and after I had signed off with him, the pile up begins.

30 years as a licensed Radio Amateur, and I am still amazed when this type of event happens. As AB7TT likes to say "The Happy Dance", nah, I had vaulted over a 6 feet high wall, something that I have not done for over 20 years. The ol' adrenaline rush had kicked in. :-) Yes, I did land on 2 feet.

@ T minus 30 days until the NorCal QRPTTF and counting, have You checked out Your' gear yet ??

72,...Jay, WA5WHN DM65qd

Albuquerque, NM USA

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 26 Mar 1998 07:00:05 -0700
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-1@Lehigh.EDU
Subject: [6900] Re: I smell tuna!
Message-ID: <351A5F65.C0F772D7@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim wrote:

Tuna and Chicken?? Good God Almighty, I'm hungry !!!!

got any goat clusters?? Just checking!

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

I've got a pristine Ten Tec ARG0 556 with hand mic. and band modules for 40,30,20, and 10 meters. I also have a noise blander that I have not installed. I am asking \$500 shipped in the CONUS. The rig is great but I just bought a TT525D so I need to make room!

Date: Thu, 26 Mar 1998 08:23:26 -0600
From: launerb@crl.com (William H. Launer)
To: qrp-l@Lehigh.EDU
Subject: [6902] SPamEAKER Enclosure
Message-ID: <v01530500b14012b62f60@[192.0.2.1]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

When I completed my OHR-100A, I looked around my shack for a suitable speaker. Everything I found was too large for the allocated space on the shelf. Rummaging through the junk box (er, parts bin), I found a small (2 1/2 in.) speaker. Now, the problem was to find/ build a suitable enclosure for it. My eyes fell on a SPAM can on the bench that I had rescued from the trash. A little work with a hole saw and drill, and the speaker was mounted in the can. I used some perforated aluminum for a grill, and added an RCA jack for connection to the rig. It sounds great when the open end of the can is down on the shelf.

I took the rig to a club meeting for a "show and tell", and it was a real hit. I was going to paint it, but now I'm not too sure.....

72/73, Bill wb0cld

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arco #3551
Grid Square EM48RT

Date: Thu, 26 Mar 1998 07:53:47 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: qrp-l@Lehigh.EDU
Subject: [6903] kl7jaf, where art thou in cyberspace?
Message-ID: <GPEHACKPKOFMAAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tried over the last two days to reply to your J-38 query about an original J-38 but received bounced mail. Checked your website to verify the e-mail adr and tried again yesterday. No luck in reaching your kl7jaf@polarnet.com account.

72,
Mike KL7IXI/7

Get your FREE, private e-mail
account at <http://www.mailcity.com>

Date: Thu, 26 Mar 1998 15:55:17 +0000
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Subject: [6904] cascading filters on front-endss
Message-ID: <351A7A65.66769C0D@uiowa.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

hi,

i have been figuring out a front-end to put before the R2 (a DC receiver, almost completed). i'll need some pre-amplification on the higher bands, and would like to add some pre-selecting as well.

i was going through the ARRL Handbook section of designing LPF's and HPF's with the standard value companion tables. Assuming both ends are going to be at 50 ohm impedance, is there any reason why i can not just put a high-pass filter right after a low-pass filter to have a band-pass filter? I realize this will make quite a broad band-pass, but i want to get something going quickly, and then improve it if i need to.

also, with the combined losses of 2 filter units, is it still best to put them in front of the pre-amp (i'll start with the MAV-11 MMIC), or would you consider putting the amp between the 2 sections

the section on band-pass filter synthesis (parallel tuned circuits to ground, series-tuned circuits in-line) gives some very extreme L & C values, so i decided to avoid that for now. the idea of being able to switch in/out different HPF & LPF 's sounds good too.

thanks in advance.

--adam, n2brt

Date: Thu, 26 Mar 1998 11:12:38 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsilo2.comm.mot.com>
To: n1qqv@cshore.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [6905] Re: RI and other alleged NE states
Message-ID: <351A2DFAE256D111883A0060B06B1662513CA5@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Ken:

If you can get on the air from RI and MAKE YOURSELF HEARD in CA, you will be a hero, a paragon of all the QRply virtues, and a first class operator. (Boy, can this kid trowel it on or not?)

What time of day (or night) do you folks hear CA best (assuming you do at all)?

I guess that ought to determine when an effort would be worth making.

Many thanks for thinking of us.

72, Bob N6WG and Ol' Kenwood

Date: Thu, 26 Mar 1998 11:19:45 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsilo2.comm.mot.com>
To: csnyder@nextdim.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [6906] KD7BBF
Message-ID: <351A2DFAE256D111883A0060B06B1662513CAB@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

KD7BBF de N6WG

There, everyone loves to see their call, or their name, in print. Congratulations, Chuck. We all look forward to working you on the air. Now if you can just get hold of the business end of a key, and start pumping QRP RF into the atmosphere, we're in business.

See you on the air,

72, Bob N6WG and Ol' Kenwood

Date: Thu, 26 Mar 1998 12:34:13 -0500

From: Joseph Trombino jr <joebarb@wilmington.net>
To: QRP-L@Lehigh.EDU
Subject: [6907] Happy Dance with QRP/WAS
Message-ID: <3.0.1.32.19980326123413.006c576c@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings fellow low power fanatics: The loud, raucous noises you hear coming from the southeastern part of North Carolina are emanating from the shack of W2KJ doing the Happy Dance on completing QRP/WAS--the XYL thinks I am possessed!! I've been an active ham for 36 years but never had time to devote to chasing WAS seriously--retirement has solved that problem though:)

Many thanks go out to QRP stalwart Larry W1HUE in Idaho and QRO op Kevin, N1QDW in Rhode Island for providing the last two states needed, however, would not have been able to scrounge up the skeds without the QRP-L.

Used an OHR-400, Argonaut II and homebrew 20M xcvr to snag the required 50--kinda makes me wonder why I recently sent the OMNI VI back to the factory for the DSP upgrades!!:)

Now do I really want to try for WAC/QRP and DXCC/QRP??:)

Time for some medication and a nap, cheers and 72/73, Joe W2KJ

Date: Thu, 26 Mar 1998 11:45:46 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: jadlaw@soca.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [6908] Re: SASA
Message-ID: <351A2DFAE256D111883A0060B06B1662513CC5@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

John, thanks for the response.

People are beginning to remember, "Oh, yeah. I bought one of those. Think I built it, too. Now, let's see, what did I do with it?"

It's funny that out of over a hundred units sold, only two or three have admitted building theirs so far. Wonder if the majority are still in the closet or Unbuilt Kits box? :-)

I appreciate the suggestion of the filtered ac input fitting. I recall seeing the unit at Pacificon. Didn't realize it was yours.

What have you actually used it for so far, and how did it perform?

Several others have posted me asking to be copied on whatever info I gather.

Nice to see you on here as well. Remember working you on the air too.

73, Bob N6WG and 01' Kenwood

Date: Thu, 26 Mar 1998 13:08:39 -0800
From: LYN <designserv@ipass.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6909] WANTED: SASA
Message-ID: <351AC3D7.4C2984E6@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have one of KD1JV's Spectrum Analyzer Scope Adapter kit, Mark II, for sale? Prefer unbuilt, but will consider either.

Lyn, W4WDN

Date: Thu, 26 Mar 1998 13:33:52 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@Lehigh.EDU>
Subject: [6910] FT-243 XTAL Socket.
Message-ID: <00a701bd58e5\$bb42e380\$af1005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi QRPers,

I need 2 of the above, let me know by private e-mail if you are willing to part with them.

On the SASA subject, the last I heard the MK II was to be released. Looks

like I missed it, is there a MK III in the works?

Please let us know how it performs.

73/72,

Vince, VE3VFN.
vferme@sprint.ca

Date: Thu, 26 Mar 1998 12:39:04 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@Lehigh.EDU>
Subject: [6911] Elmer101
Message-ID: <Pine.SOL.3.91.980326123145.11018A-1000000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello classmates...I have obtained the following books, as recommended by the Elmer101 group, from the library and have been looking them over... ..Horowitz And Hill:The Art of Electronics and Standard Radio Communications Manual by Kinley...looks like I'm going to haunt our used book stores to see if I can pick these books up for my reference library at home..thanks to whoever recommended them in the first place...72 - Bruce(VE5RC)

Date: Thu, 26 Mar 1998 12:44:07 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: LYN <designserv@ipass.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6912] Re: WANTED: SASA
Message-ID: <Pine.SOL.3.91.980326124315.11018D-1000000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would also be interested in this kit....need information please...72 -
Bruce(VE5RC) e-mail: rattray@gpfn.sk.ca

On Thu, 26 Mar 1998, LYN wrote:

> Does anyone have one of KD1JV's Spectrum Analyzer Scope

> Adapter kit, Mark II, for sale? Prefer unbuilt, but will consider
> either.
>
> Lyn, W4WDN
>
>
>

Date: Thu, 26 Mar 1998 13:41:34 EST5EDT
From: "Joseph street 1635" <joseph.street@comdev.ca>
To: qrp-1@Lehigh.EDU
Subject: [6913] batteries and solar panels
Message-ID: <A431DF088C@mercury.camb.comdev.ca>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi Gang;

I was in Radio Shack the other day and noticed they have a small solar panel which claims to deliver 100 mA but I dont know what the open circuit voltage is, it is maketed as a car battery charger of all things! It is made of amorphous type cells which are no good for constant use as thier output degrades from exposure to the sun!!! I also spied some rechargeable alkaline batteries which they say can be recharged 20 or more times. Does anyone have any experience with either of these. I am considering both as a portable powersource for backpacking / QRP operation. I dont know if this pannel is suitable for charging that type of cell, or even what the reccomended charge cycle is for that type of battery.

If anyone has the answers to these questions I'm sure there are others who could benefit from the knowledge as well as myself.

73's

joe

Date: Thu, 26 Mar 1998 13:50:26 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@Lehigh.EDU>
Subject: [6914] Fluke 85RF Probe.
Message-ID: <00b301bd58e8\$0b0b7880\$af1005d1@frsswilap04284.callnetcanada.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

>Fluke 85RF High Frequency Probe, new w/instructions. \$55 shipped in lower
48.

This is from the newsgroup rec.radio.amateur.antenna. Looks like last week's
deal at \$19.95 was a very good one..... and I am still waiting for mine to
arrive. :((

I don't have the ordering info with me but someone else does I am sure, if
you are interested.

73/72,

Vince, VE3VFN.

Date: Thu, 26 Mar 1998 19:12:01 +0000
From: Frank G3YCC <g3ycc@g3ycc.prestel.co.uk>
To: qrp-1@Lehigh.EDU
Subject: [6915] Alinco DXT
Message-ID: <2Y2jQBABiqG1Ew6t@g3ycc.prestel.co.uk>
MIME-Version: 1.0

Can anyone tell me which pot is adjusted to alter the power in the DX70T
please. I looked in the book also for the sidetone pot and the one
indicated is actually the mic gain.
Any advice on these 2 points appreciated.
Thanks.

--

Frank G3YCC GQRP 042 (email g3ycc@g3ycc.prestel.co.uk)
QRP Web Page: <http://www.homeusers.prestel.co.uk/g3ycc/>
Packet: G3YCC@GB7HUL

Date: Thu, 26 Mar 1998 19:13:54 +0000
From: Frank G3YCC <g3ycc@g3ycc.prestel.co.uk>
To: qrp-1@Lehigh.EDU
Subject: [6916] Help messages!
Message-ID: <2o6jcGAyjqG1EwZi@g3ycc.prestel.co.uk>
MIME-Version: 1.0

Can anyone tell me why I'm all of a sudden receiving all messages in duplicate from qrp-1 and how do I get a list of subscribers, please?
Thanks.

--

Frank G3YCC GQRP 042 (email g3ycc@g3ycc.prestel.co.uk)
QRP Web Page: <http://www.homeusers.prestel.co.uk/g3ycc/>
Packet: G3YCC@GB7HUL

Date: Thu, 26 Mar 1998 14:26:42 -0500
From: joel malman <malman@world.std.com>
To: qrp-1@Lehigh.EDU
Cc: malman@world.std.com
Subject: [6917] DXpedition to Rhode Island
Message-ID: <199803261926.AA18667@world.std.com>

Group,

I was planning on doing a DXpedition to Rhode Island for QRPttField this year. I tried a DXpedition to Rhode Island a few months ago but did not work anyone. Anyways, the drive is to the RI site is 75 miles for me, which is not to bad.

If there is going to be any chance of working the west coast from RI, between 1600-2400z, it is going to have to be on 15 or 20 meters.

I'll be working the standard QRP frequencies, with 4 watts and tuner and a long wire (up as high as I can get it).

Hope to catch you on 25 April.

/joel wa1qvm (Concord, Mass)

Date: Thu, 26 Mar 1998 14:39:16 -0500
From: Ken Freedman <n1qqv@cshore.com>
To: qrp-l@Lehigh.EDU
Subject: [6918] CQ N1PWU
Message-ID: <3.0.32.19980326143649.0069df30@cshore.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Bob,

I wiped the message that contained your e-mail address, and would like to discuss a sched with you. Please drop me a quick note.

73, Ken
Ken Freedman
AKA N1QQV/QRP ARRL VE, QRP-L

Date: Thu, 26 Mar 1998 14:39:24 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-l@Lehigh.EDU>
Subject: [6919] Fw: FT-243 XTAL Socket.
Message-ID: <012801bd58ee\$e2ec9c60\$af1005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Paul,

Good idea!! I did not know it would fit.

I am changing my request to a standart octal vacuum tube socket.....just kidding, should be able to find it locally.

Thanks to all.

73/72,

Vince, VE3VFN.

P.S. If this is a double posting I apologize, I have not seen the first one.

>-----Original Message-----

>From: Paul Lundy <plundy@max.state.ia.us>

>

>

>>Hello Vincent, If you can't find the exact type of socket you are
>>seeking, you can always use a ye olde standard octal vacuum tube (valve)
>>socket. One socket will hold two FT-243s at the same time because the
>>pin spacing is just right. As a matter of fact, my first commercial kit
>>72/73 Paul, K0LKH

>

>

Date: Thu, 26 Mar 1998 15:23:50 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: Frank G3YCC <g3ycc@g3ycc.prestel.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6920] Re: Alinco DXT
Message-ID: <Pine.LNX.3.95.980326152348.10279B-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

es, I noted that too (*error).

One says Hi, one says Low.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

On Thu, 26 Mar 1998, Frank G3YCC wrote:

> Can anyone tell me which pot is adjusted to alter the power in the DX70T
> please. I looked in the book also for the sidetone pot and the one
> indicated is actually the mic gain.
> Any advice on these 2 points appreciated.
> Thanks.
> --
> Frank G3YCC GQRP 042 (email g3ycc@g3ycc.prestel.co.uk)
> QRP Web Page: <http://www.homeusers.prestel.co.uk/g3ycc/>
> Packet: G3YCC@GB7HUL
>

Date: Thu, 26 Mar 1998 14:42:55 -0500
From: aa5yx@juno.com (John F. Harper)
To: qrp-1@Lehigh.EDU
Subject: [6921] Portable operation/Andes
Message-ID: <19980326.144257.11206.0.aa5yx@juno.com>

Greetings,

I will soon be going on a QRP excursion to Peru and am building a Norcal 40A and an OHR-100A for 20m. I haven't decided which rig to take yet and probably won't until I've done some in-the-field testing around here. My first question concerns gell cells. I found an interesting web page at:

<http://www.yuasabatteries.com/grt.htm>

but am uncertain as to what size (Ahr) battery would be most appropriate for these types of rigs. If those of you who've gone camping with a similiar transceiver could shed some light on the topic, as Ross Perot says, I'm all ears. I'll be operating for a total of 3 or 4 evenings for about 15 hours in all.

I'd also like to know if anyone has thoughts on which band (20m or 40m) for working the US from this part of the world would be the better choice. I'm a bit concerned about the SW broadcasters on 40m that I believe can/do transmit from this part of the world.

Input? Muchas gracias!
de,
John Harper AA5YX/2

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 26 Mar 1998 12:55:32 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6922] Pot and turns counter
Message-ID: <351AB2B4.7FA4@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hello Fellow Qrper's!

Boy am I bummed out!! Just bought a 100k 10 turn linear pot with turns counter, but it is too big for my Lansning enclosure for my GM-15.

Got a total of 5 bux in them, and will take the same plus a buck for shipping. Any takers? Also can get more of the same if anyone is interested.

72, Tom WB5QYT " Have spud will travel!"

Date: Thu, 26 Mar 1998 14:16:20 -0800
From: LYN <designserv@ipass.net>
To: joseph.street@comdev.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6923] Re: batteries and solar panels
Message-ID: <351AD3B4.DF9B120E@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joseph street 1635 wrote:

> Hi Gang;
>
> I was in Radio Shack the other day and noticed they have a small
> solar panel which claims to deliver 100 mA but I dont know what the
> open circuit voltage is, it is maketed as a car battery charger of
> all things! It is made of amorphous type cells which are no good for
> constant use as thier output degrades from exposure to the sun!!!
> I also spied some rechargeable alkaline batteries which they say can
> be recharged 20 or more times. Does anyone have any experience with
> either of these. I am considering both as a portable powersource for
> backpacking / QRP operation. I dont know if this pannel is suitable
> for charging that type of cell, or even what the reccomended charge
> cycle is for that type of battery.
> If anyone has the answers to these questions I'm sure there are
> others who could benefit from the knowledge as well as myself.
>
> 73's
>
> joe

Joe,

Silicon solar cells put out about 0.5 volts regardless of cell size. The maximum current depends on cell area exposed to light. Amorphous cells do have lower output efficiency and do decrease some with age. Also may cost less unless you're buying the fancy flexible stuff. Single crystal & polycrystalline means you can carry around a smaller panel and use it more years.

Can talk about lead-acid batteries all day long, but you need to look somewhere besides me for alkaline charging specs. Doubt seriously, though, that Radio Shack can tell you any technical details.

There are lead-acid batteries used for cellular phones which work nice for portable rigs. First step, though, in choosing either a solar panel or a battery, is to define your needs: Measure your required current under both transmit and receive, estimate how many hours of total operation at what percent transmit, what percent receive, and figure out the total amp-hours for transmit, the total amp-hours for receive and add them up. Your battery should be rated at a rock bottom minimum (no cheating!) of twice that number of ampere-hours, and then only if it never gets cloudy in your area. To allow for rainy days, the number of rainy or cloudy days multiplied by the amp-hours needed daily for your rig should equal one half the rated battery capacity.

Second step. The maximum current drawn during transmit should not exceed .05 times the battery amp-hour rating. If it does, pick a larger battery or a smaller rig.

Third step. This is a tricky one. Pick a solar panel with an output voltage at full load which is high enough to charge the type of battery being used! For example, a solar panel rated at a maximum of 12v output can NOT charge a "12V" lead acid battery! But that's a different topic, because you're not talking lead-acid.

Fourth step. Different latitudes and different seasons have different average number of full sun hours per day. Early morning and late evening are not much good for this. Your area can be looked up in ref. book. My area (Raleigh, NC) has AVERAGE of about 4-4.5 hours per day. Panel must have enough rated output current at it's rated operating voltage to recharge your battery in however many hours or days you can afford to wait for it to be charged.

For example. At .100 amp output, 4.5 hours X 0.1 amp would be only 0.45 amp-hours of charge per day if you kept the panel properly aimed and it didn't get cloudy, rainy, or hazy. So if your rig used only 0.45 amp-hours per day, then the panel should just keep you almost even with the

board each day. I say almost, because nothing is perfect. The battery doesn't store all of the energy. Some is lost as heat. Amount lost depends on temperature and rate of charge and type of battery.

Next step: Solar panels can definitely overcharge and ruin batteries! you must charge batteries carefully as overcharging is one of the MOST popular ways of ruining batteries! That's another lesson, which I've previously rambled on about. If you need to know, I'll look up my ramblings and send copies.

And, if you are going to operate in very hot or very cold areas, then you must allow for that -- but that's enough rambling for today.

You get the idea.

Good luck & have fun

73,
Lyn, W4WDN

Date: Thu, 26 Mar 1998 12:03:46 -0800 (PST)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-1@Lehigh.EDU
Subject: [6924] Observations: HW CPY?
Message-ID: <Pine.LNX.3.96.980326111343.18403C-1000000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have received four replies to my posting at the time I am writing this message. Many thanks for the input. It seems, by my calculations, that most people agree with my observations, but have certain twists of interpretations of their own.

However, here are the following trends which I've spotted, based on those four replies:

1) K5JS writes that the following passage was a response to my message (I never received this response):

"In my experience, HW? in any of its various forms has nothing to do with the act of copying anything other than in the most general sense of inquiring, "Are you still getting me, and

are you ready to transmit, because I'm about to turn it over to you."

As I understand it, in this case, HW CPY? means "Are you ready to transmit?" more than "Can you understand what I'm trying to send?"

2) W6TOY reported that HW CPY? is a common way to fill in for a loss of words to terminate a QSO. I have always used TTYL (Talk to you later) for that. But that, most likely, was due to my prior Internet experience. Like item one, I -never- would have expected HW CPY? to be used in that manner, and if I'd heard that on the air, I wouldn't know how to reply (other than the obvious, which brings us to the last item).

(I suppose a related issue is the use of "HIHI" instead of "HAHA". However, when one -listens- to the sound that hihi makes, it sounds vaguely like laughter, so I can see why it'd be used over HAHA.)

W6TOY also reported that HW CPY? is used as I had expected as well. However, he brings up two important issues: does your HW CPY? refer to a request for a signal report, or does it refer to the recipient's ability to copy the transmission? Which brings us to point 3:

3) Glen Leinweber (hope I spelled it correctly) seems to agree fully with my views, and sheds some light on possible responses for the question:

- RR Solid copy.
- SOLID Solid copy.
- QSL Copied and content understood. Does this indicate
 a solid copy as well?
- QRN Noise interference (natural in origin)
- QRM Noise interference (manmade in origin)
- QSB Multi-path
- QLF ????

My suggestions for possible responses, however, tends to be tricky, as there are two ways of looking at the problem at hand:

- QRP You're using too much power; please turn your
 power down.
- QRO Coming in weak; try using more power.

or...

- QRO You're using too much power.
- QRP You're not using enough power to hear you
 comfortably.

Comments or suggestions on the QRP/QRO responses?

Based on the above, I'd have to say that HW CPY? is simply "overloaded" too many times for me to use. When transmitting code, I prefer to use unambiguous phrases and abbreviations whenever possible. It seems to me that, at least for the foreseeable future, I will not be using HW CPY? in any CW transmissions, due to the ambiguous nature of its use.

I know that there is at least one Q-code for each of the above spotted uses of HW CPY?. I will do some research on that, and get back to you. In the mean time, if you ever do hear my call on 40m, please do not ask me HW CPY? I most likely will be helplessly confused at that time... :-)

Thanks for reading and responding.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      Chief Architect and Project Founder
=====
```

Date: Thu, 26 Mar 1998 20:12:28 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [6925] Balcony Antennas
Message-ID: <351AB6AC.532F@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There's a lot of information on portable type antennas, but I think the following loop might be a good alternative. Perhaps you can use wingnuts and removable bolts or U-Clamp to break it down flat for travel.

<http://www.hamradio-online.com/1998/mar/magloop.html>
-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Thu, 26 Mar 1998 15:38:04 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>

To: aa5yx@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [6926] Re: Portable operation/Andes
Message-ID: <351ABCAB.60029C4C@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am quite happy with a 17AH sealed unit that I purchased for appx \$100. Originally thought that the batteries were gel cells but have since been told that they are sealed lead acid. The unit was originally designed for jump starting cars. Use it for all sorts of things...running GPS, laptops, qrp rigs etc. Haven't jumped any cars with it though.

BTW I should be qrp on 14060 from St George Island (grid square EL79) this weekend. W1X0 should be there also.

GL

Henry
N5HF

John F. Harper wrote:

> Greetings,
>
> I will soon be going on a QRP excursion to Peru and am building a Norcal
> 40A and an OHR-100A for 20m. I haven't decided which rig to take yet and
> probably won't until I've done some in-the-field testing around here. My
> first question concerns gell cells. I found an interesting web page at:
>
> <http://www.yuasabatteries.com/grt.htm>
>
> but am uncertain as to what size (AHr) battery would be most appropriate
> for these types of rigs. If those of you who've gone camping with a
> similiar transceiver could shed some light on the topic, as Ross Perot
> says, I'm all ears. I'll be operating for a total of 3 or 4 evenings for
> about 15 hours in all.
>
> I'd also like to know if anyone has thoughts on which band (20m or 40m)
> for working the US from this part of the world would be the better
> choice. I'm a bit concerned about the SW broadcasters on 40m that I
> believe can/do transmit from this part of the world.
>

> Input? Muchas gracias!
> de,
> John Harper AA5YX/2
>

> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com>
> Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 26 Mar 1998 16:10:48 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [6927] Re: RI and other alleged NE states
Message-ID: <351AC458.373B@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Using a dipole @ 40 ft and 4.9 watts on 40M, I exchanged 579 reports with K5CIZ in SF, CA, at 0947Z 28/12/97. Usually a good opening then or a little earlier. --Zack W1VT

Date: Thu, 26 Mar 1998 13:25:54 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@Lehigh.EDU>
Subject: [6928] Bay Area QRP Pizza Dinner for Gary Diana
Message-ID: <01bd58fd\$c241bc20\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just a reminder, several of us are getting together for Pizza at the Round Table Pizza in the shopping center at the corner of Grant Road and El Camino Real in Mountain View, CA this Friday at 6:30 PM. Gary Diana, N2JGU from Rochester, NY will be the guest of honor and will bring examples of the latest offerings from Embedded Research. Everyone is invited and I encourage you to bring your latest QRP project for show and tell. Hope to

see you there. 72, Doug, KI6DS/M0BIV

Date: Thu, 26 Mar 98 16:50:38 EST
From: Bill Acito 26-Mar-1998 1643 <acito@asdg.ENET.dec.com>
To: -qrp@us1rmc.bb.dec.com
Cc: acito@asdg.ENET.dec.com
Subject: [6929] Need RI?
Message-ID: <9803262150.AA17680@us1rmc.bb.dec.com>

For those of you who do need RI, a co-worker of mine, although not a QRP'er, loves CW and is on almost every night on 20, 30, and 40m from Rhode Island.

Please contact Kevin, N1QDW, via Kevin.Marshall@Digital.com for sched's.

b

. - I own my own words -
Bill Acito acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

Date: Thu, 26 Mar 1998 13:50:58 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [6930] Re: Bay Area QRP Pizza Dinner for Gary Diana
Message-ID: <01bd5901\$42e81fb0\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>...Gary Diana, N2JGU from
>Rochester, NY will be the guest of honor and ...

I assume this means that Gary is buying the pizza. (Or didn't you tell him that yet?)

Mike K1MG

Date: Thu, 26 Mar 1998 14:48:12 -0700
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [6931] Elmer101 - Ghost Script
Message-ID: <01BD58C6.35462400@pps-pc10.gw1.com>

I want to thank all of you that send me information on printing from Ghost Script. I got it to work, even wrote a batch file to take care of things.

Thanks again,

de KB0ROL, Brad

PS read in the Digest last night the rigs are ready. I believe I will be ordering the 30M tonight when I get home.

One question, would it be possible to push either the 40 or the 30 to 20 or higher? I could really use something higher than 30 as I don't have anything portable that is 20 or higher.

Date: Thu, 26 Mar 1998 14:30:37 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "Michael A. Gipe" <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [6932] Re: Bay Area QRP Pizza Dinner for Gary Diana
Message-ID: <01bd5906\$cca54160\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike, gotta learn to not say that until after Gary arrives!! See you there.

72, Doug, KI6DS

-----Original Message-----

From: Michael A. Gipe <mgipe@reliablemeters.com>

To: ki6ds@dpol.k12.ca.us <ki6ds@dpol.k12.ca.us>; Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Thursday, March 26, 1998 1:47 PM

Subject: Re: Bay Area QRP Pizza Dinner for Gary Diana

>>...Gary Diana, N2JGU from

>>Rochester, NY will be the guest of honor and ...

>

>

>I assume this means that Gary is buying the pizza. (Or didn't you tell him
>that yet?)

>

>Mike K1MG

>

>

Date: Thu, 26 Mar 1998 14:30:39 -0800

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: "Hendricks, Doug" <ki6ds@dpol.k12.ca.us>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [6933] Re: Bay Area QRP Pizza Dinner for Gary Diana

Message-ID: <01bd5906\$cdd50ed0\$309f5ecf@double_trouble.reliablemeters.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

>Mike, gotta learn to not say that until after Gary arrives!! See you there.

>72, Doug, KI6DS

Oops! That's why I prefer CW. Keeps the toenails out of my teeth.

Date: Thu, 26 Mar 1998 15:11:07 PST

From: "Ray Lowe" <wd5dhk@hotmail.com>
To: qrp-1@Lehigh.EDU, aa5yx@juno.com
Subject: [6934] Re: Portable operation/Andes
Message-ID: <19980326231108.12896.qmail@hotmail.com>
Content-Type: text/plain

John and group,

I have used a 6.5 amp hour gel cell for portable use with no problems. I use a SW-30 (not the plus version of elmer 101 fame...if the improved one is better than the old one, it will be a good rig) for my portable rig and can easily operate 15 hours with no problem. However, The rigs you are planning to use do draw more current on receive, so your mileage may vary. It would be better to err on the side of getting too much battery if weight is not an issue.

72/73

Ray Lowe

WD5DHK

Lancaster, Tx (near Dallas)

<http://members.wbs.net/homepages/w/d/5/wd5dhk.html>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 26 Mar 1998 16:58:33 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [6935] Re: Need RI?
Message-ID: <199803262358.QAA25085@usr08.primenet.com>

Howdy,

Bill (W1PA) wrote:

>

> For those of you who do need RI, a co-worker of mine, although
> not a QRP'er, loves CW and is on almost every night on 20, 30,
> and 40m from Rhode Island.

Ah, but what we *really* are lusting after is
2xQRP RI... Is your friend simply a regular
QRO op we could perhaps talk into going QRP,

or is he opposed to QRP operation in general?

I'd ask him myself, but I'd hate to put him on the spot.... Thanks!

Man, never thought I'd work QRP WAC long before I finished 2xQRP WAS!

All this fuss over Heard Is. DXpeditions, when what we've *really* needed all along is QRP RI. "Who-da thunk it?" :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

End of QRP-L Digest 1041

